

CSS Planning





**“Logistics is what
makes the Marine
Corps unique.”**

General Krulak
31st CMC

**“This is the decade of
the logistician.”**

General Jones
32nd CMC

GSOC 0601

Overview

- Main Objectives
- Grading Criteria
- Agenda
 - CSS Principles
 - Functional Areas
 - CSS Organizations & Types
 - Mission Types
 - Planning Documents
 - CSS Installations
 - CSSOC & TACLOG
 - Planning for Supply Operations
 - Sustainment
 - War Reserve
- Summary
- Lesson Exam

Rules of Engagement (ROE)

- Pre-read lesson material
- Stay engaged
- Ask questions
- Lots of coffee/sugar
- No sleeping



Logistics

"The science of planning and carrying out the movement and maintenance of forces."

JP 1-02 & MCWP 4-1

- United States Code, Title 10
- Joint Pub 4-0
- Logistical “self-sufficiency”



Three Levels of Logistics

Strategic National

**National Command Authority
Joint Chiefs of Staff**

CMC

Strategic Theater
★★★★

COCOM

MEF

Operational
★★★

JTF Commander

**MEU
INF BN**

★★

★★

★★

★★

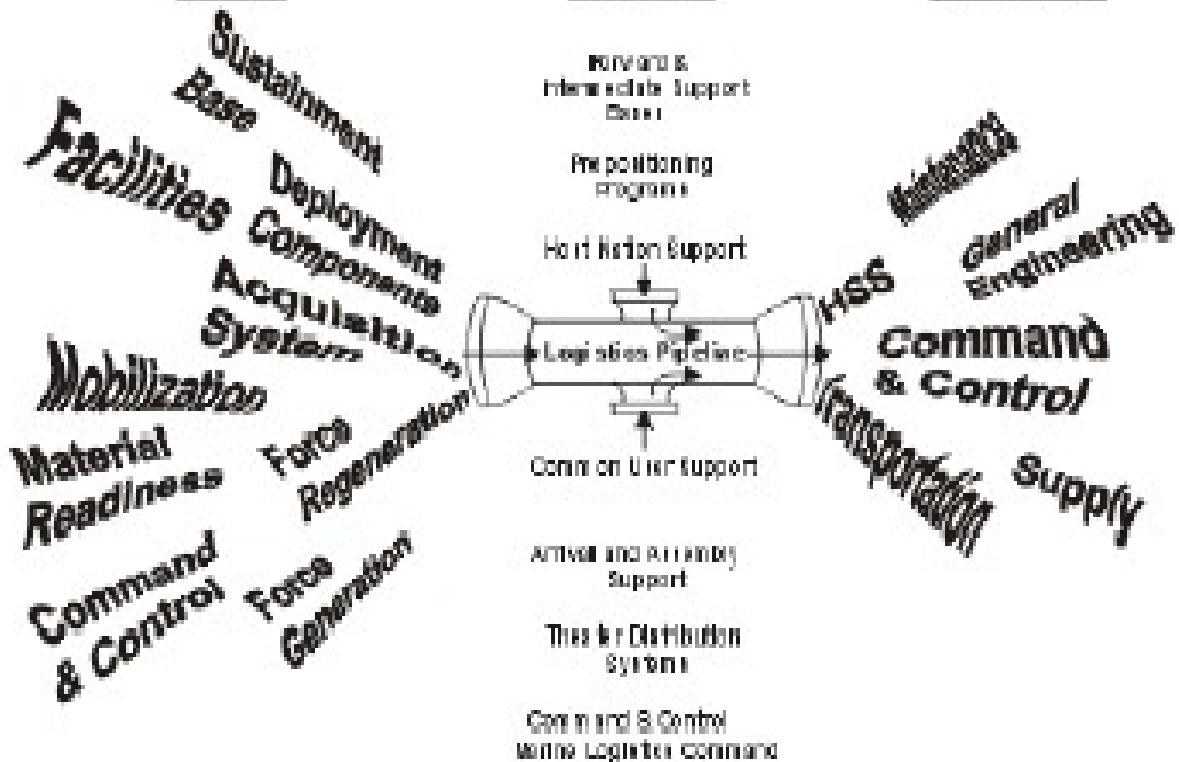
Tactical (actions)

MARFOR ARFOR AFFOR NAVFOR

Strategic Logistics

Operational Logistics

Tactical Logistics (CSS/Organic Logistics)



COMBAT SERVICE SUPPORT

OBJECTIVE OF CSS:

Sustain and **enhance** the
relative **combat power** of
the MAGTF.

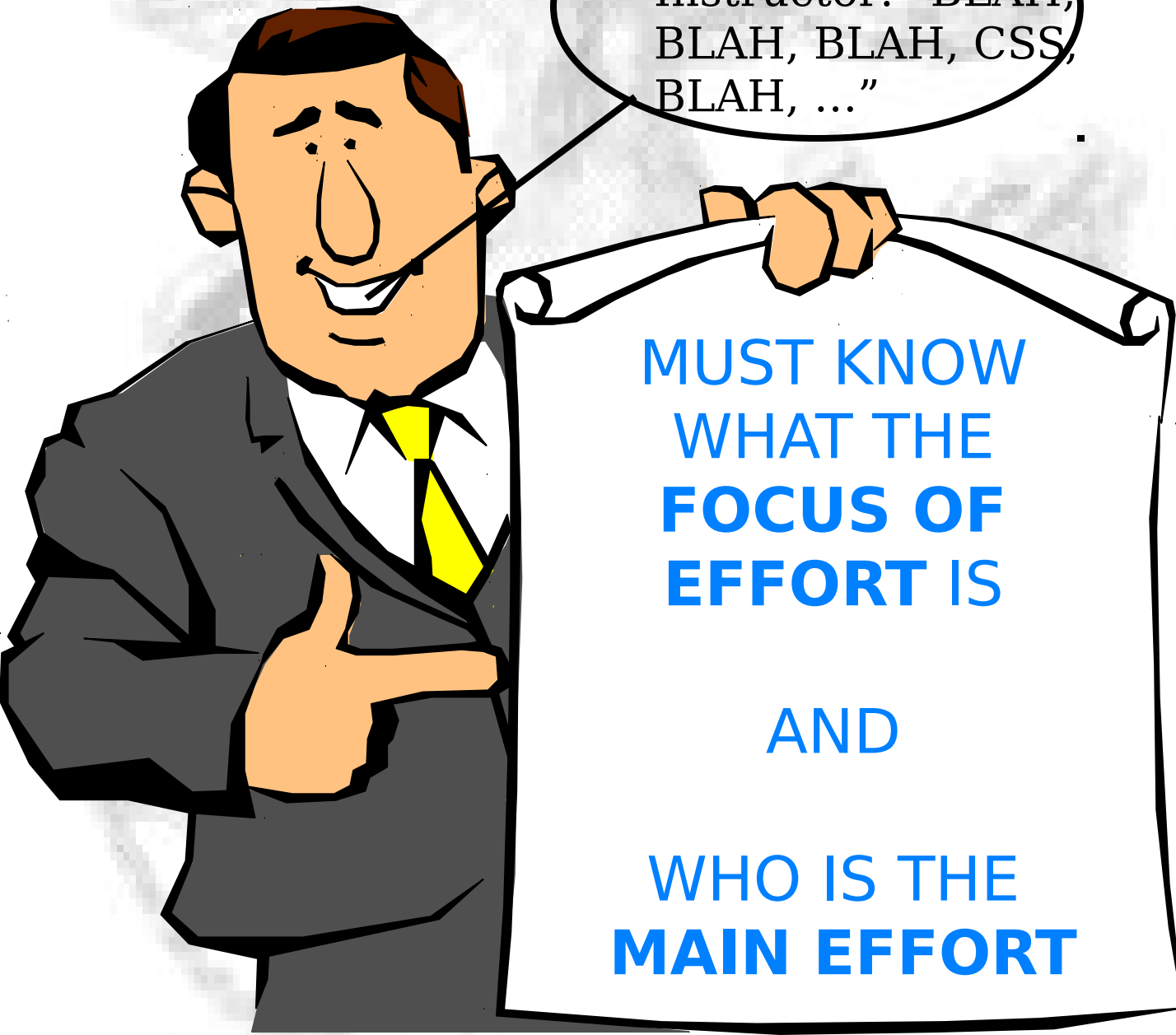
PRIORITIES

Another GSOC class
Instructor: "BLAH,
BLAH, BLAH, CSS,
BLAH, ..."

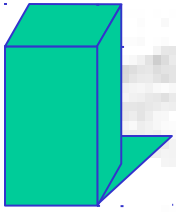
**MUST KNOW
WHAT THE
FOCUS OF
EFFORT IS**

AND

**WHO IS THE
MAIN EFFORT**



PRINCIPLES OF CSS



Like the principles of war, the principles of CSS are only guides for planning, organization, management, and execution.

EXPERIENCE

IMAGINATION

Principles of War vs. Principles of CSS

- WAR

- Maneuver
- Offensive
- Economy of Force
- Mass
- Objective
- Unity of Command
- Surprise
- Simplicity
- Security

- CSS

- Responsiveness
- Simplicity
- Flexibility
- Economy
- Attainability
- Sustainability
- Survivability

Principles of CSS

Responsiveness

Simplicity

Flexibility

Economy

Attainability

Sustainability

Survivability

*** NOT TESTABLE: PERSONAL OPINION**

Functional Areas

FSSG

Services Disbursing, Legal, MP
Postal, CA, MA, MWR

H&S BN

Supply Organizational, Retail & Wholesale
CL I, II, III(P), V, VIII & IX, PP&P
AMAL

Supply BN

3d FSSG

MRB

Maintenance

Org, Intermediate & Depot
EMC, ELMACO, OMC,
MTM, GSM

Maint BN

Health Services

Echelons of care: BAS >> Clinic / Hospital

Narcotics

Med BN

ADAL

Dent BN

General

Engineering

Horiz & Vertical
LOC & Camps

Eng Spt BN

Transportation MVMNT of PAX,
Cargo & Equip Port Ops
MHE

TSB

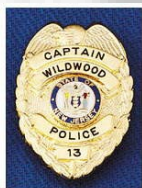
Service Support



Disbursing



Legal



MP



Postal



Civil Affairs



Mortuary Affairs



MWR / MCCS

Supply Support

Classes and Subclasses of Supply

	Symbols		Subclasses
CLASS I Subsistence			A - NONPERISHABLE C - COMBAT RATIONS R - REFRIGERATED S - NONREFRIGERATED W - WATER
CLASS II Clothing, individual eqpt., tools, admin. supplies			A - AIR B - GROUND SUPPORT MATERIEL E - GENERAL SUPPLIES F - CLOTHING G - ELECTRONICS M - WEAPONS T - INDUSTRIAL SUPPLIES
CLASS III Petroleum, oils, lubricants			A - POL FOR AIRCRAFT W - POL FOR SURFACE VEHICLES P - PACKAGED POL
CLASS IV Construction material			A - CONSTRUCTION B - BARRIER
CLASS V Ammunition			A - AIR DELIVERY W - GROUND
CLASS VI Personal demand items			A - AIR B - GROUND SUPPORT MATERIEL D - ADMIN. VEHICLES G - ELECTRONICS K - TACTICAL VEHICLES L - MISSILES M - WEAPONS N - SPECIAL WEAPONS T - INDUSTRIAL MATERIEL X - AIRCRAFT ENGINES
CLASS VII Major end items: racks, pylons, tracked vehicles, etc.			A - MEDICAL MATERIEL B - BLOOD/FLUIDS
CLASS VIII Medical materials			A - AIR B - GROUND SUPPORT MATERIEL D - ADMIN. VEHICLES G - ELECTRONICS K - TACTICAL VEHICLES L - MISSILES M - WEAPONS N - SPECIAL WEAPONS T - INDUSTRIAL MATERIEL X - AIRCRAFT ENGINES
CLASS IX Repair parts			
CLASS X Material for nonmilitary programs			

Maintenance Support

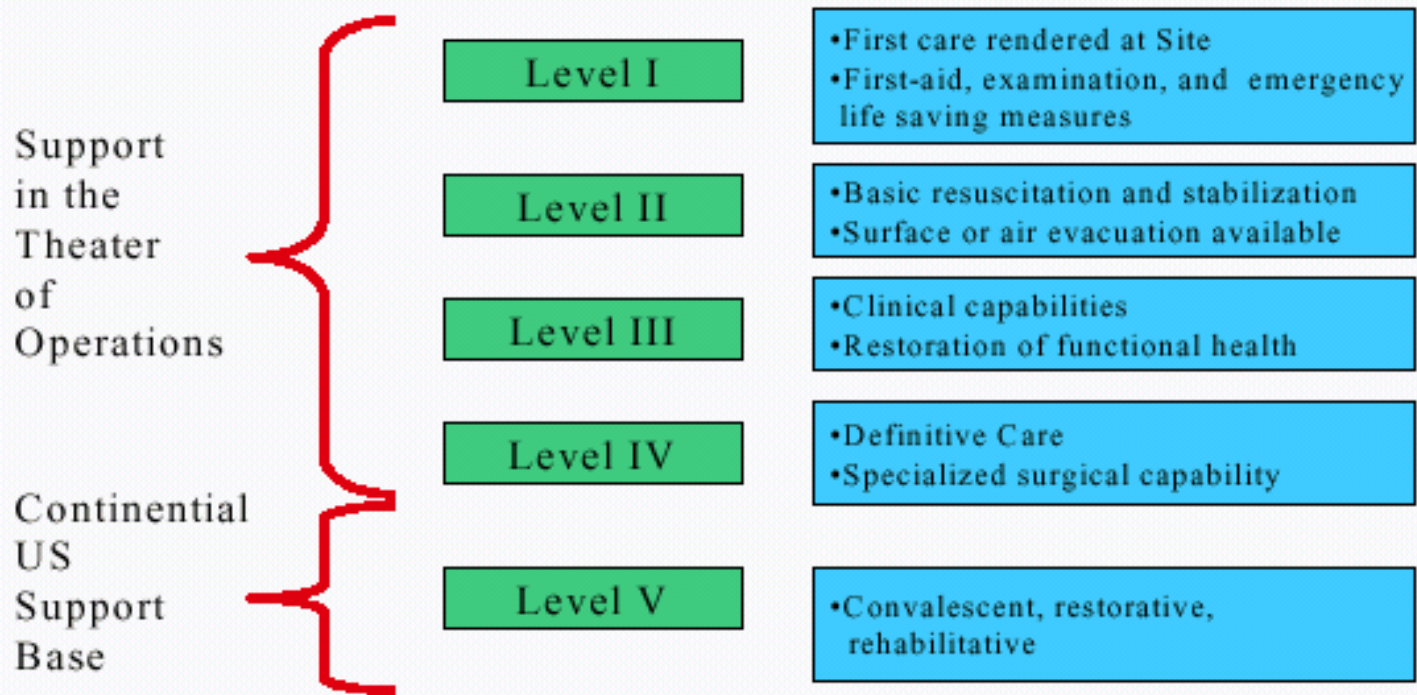
Levels of Maintenance	Echelons of Maintenance ¹
Organizational —Authorized at, performed by, and the responsibility of the using unit. Consists of cleaning, servicing, inspecting, lubricating, adjusting, and minor repair.	First —Limited action performed by crew or operator as prescribed by applicable manuals. Second —Limited action above the operator level performed by specialist personnel in the using unit.
Intermediate —Performed by designated agencies in support of the using unit or, for certain items of equipment, by specially authorized using units. Includes repair of subassemblies, assemblies, and major end items for return to lower echelons or to supply channels.	Third —Component replacement usually performed by specially trained personnel in owning or CSS units. Fourth —Component and end item overhaul and rebuilding performed by CSS units at semipermanent or fixed sites.
Depot —Major overhaul and complete rebuilding of parts, subassemblies, assemblies, and end items.	Fifth —End item overhaul and rebuilding performed by industrial-type activities using production line techniques, programs, and schedules.
¹ Equipment technical manuals and stock lists specify echelon of repair for each item.	

Table 1-4. Levels of Aviation Equipment Maintenance Activities.

Levels of Maintenance	Maintenance Activities
Organizational	Tactical and training squadrons, Marine Corps air stations with aircraft assigned.
Intermediate	Marine aviation logistics squadrons (MALs).
Depot	Naval aviation depots, contract maintenance depot activities. Each MALs has limited depot-level capability.

Health Service Support

Health Service Support Levels



Engineer Support



Transportation Support

Service Responsibilities: Marine Corps

Transportation Support Battalion:

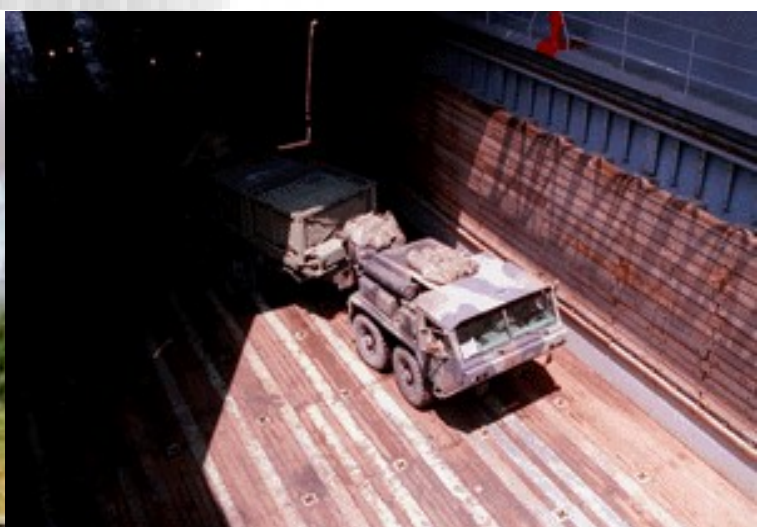
Separate companies to provide landing, terminal service, materials handling, and air delivery support for the landing force. Include:

Landing Support Company

Beach and Terminal Operations Company

Motor Transport Company

Headquarters and Service Company



SUPPLY SUPPORT In CONCLUSION

↓
SUPPLY SUPPORT HAS THE
GREATEST POTENTIAL IMPACT
ON THE MAGTF COMMANDERS
ABILITY TO INTEGRATE
ESSENTIAL ELEMENTS OF
FIREPOWER, MOBILITY, AND
SUSTAINABILITY.



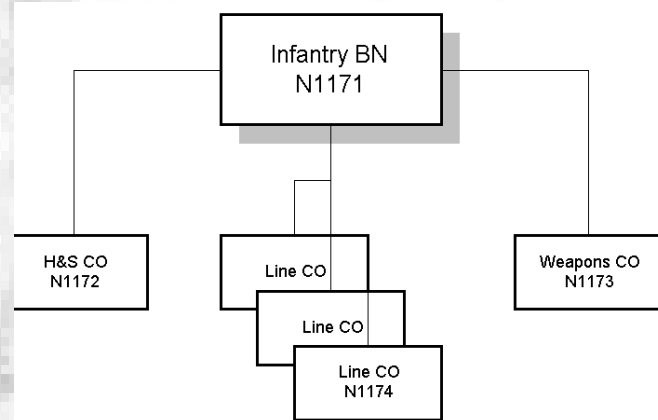


BREAK

CSS Organizations

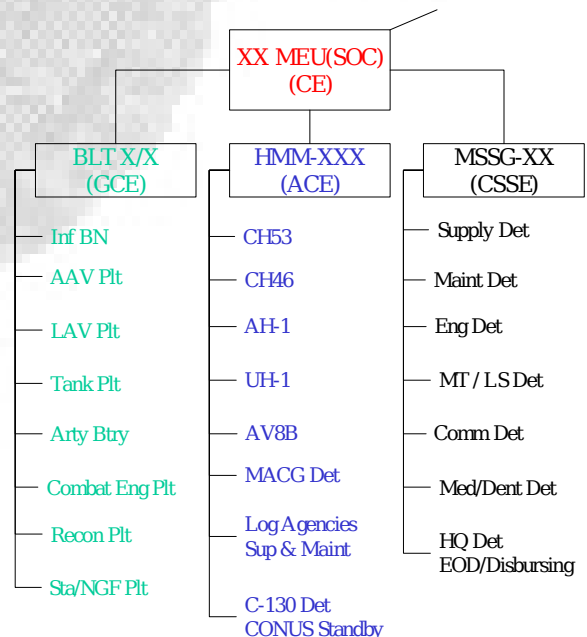
- Permanent

- HQMC sanctioned T/O & T/E
- MEF HQ, Division, Wing, FSSG units
- Regt, Groups, Battalions



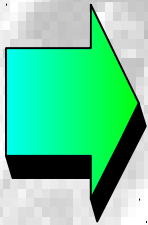
- Task Organized

- Does **Not** have a HQMC sanctioned T/O & T/E
- Task organized to meet requirements
- MSSGs & CSSDs



TYPES of TACTICAL CSS

THE TWO TYPES OF TACTICAL CSS ORGANIZATIONS ARE:



ORGANIC



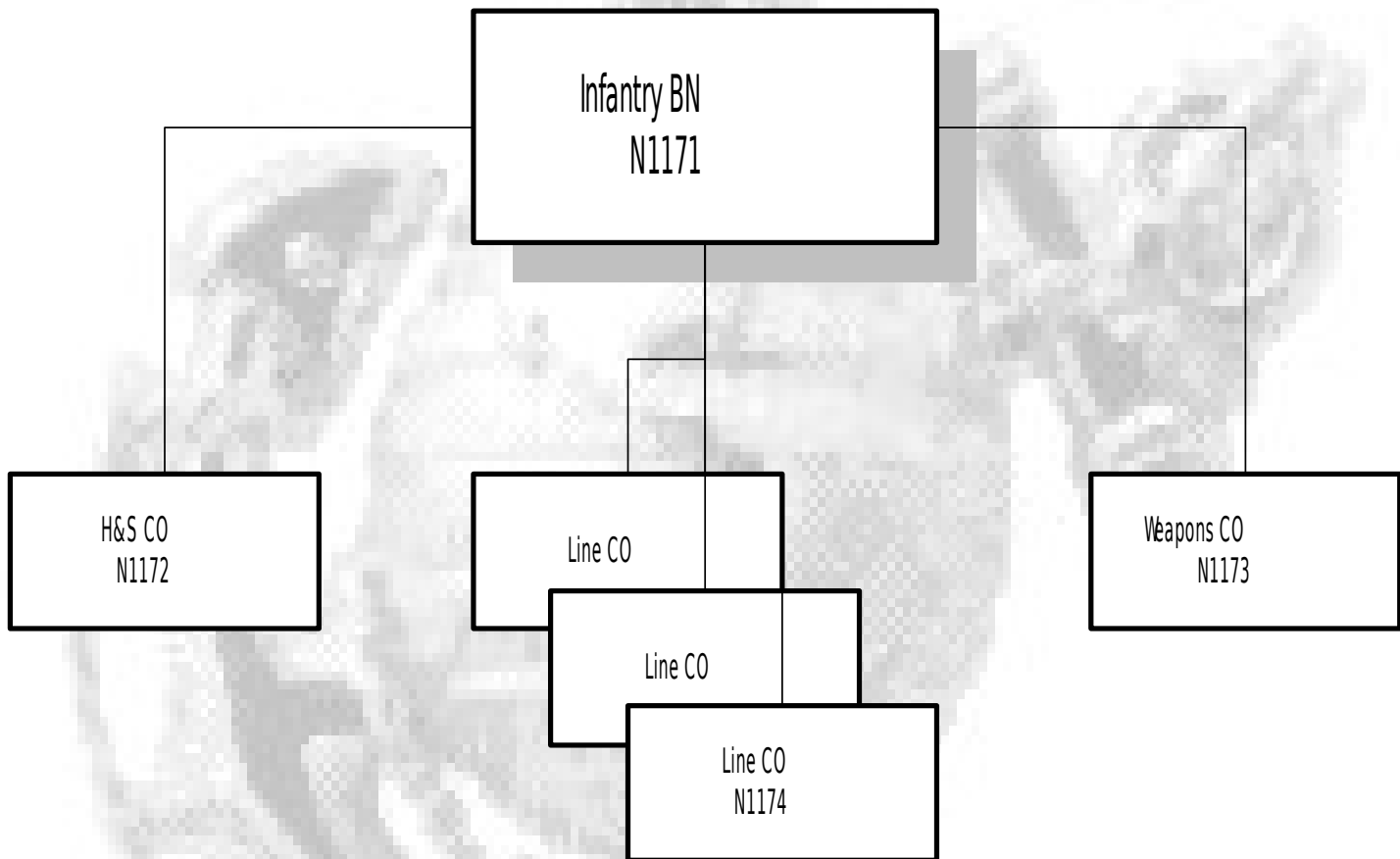
SUSTAINMENT



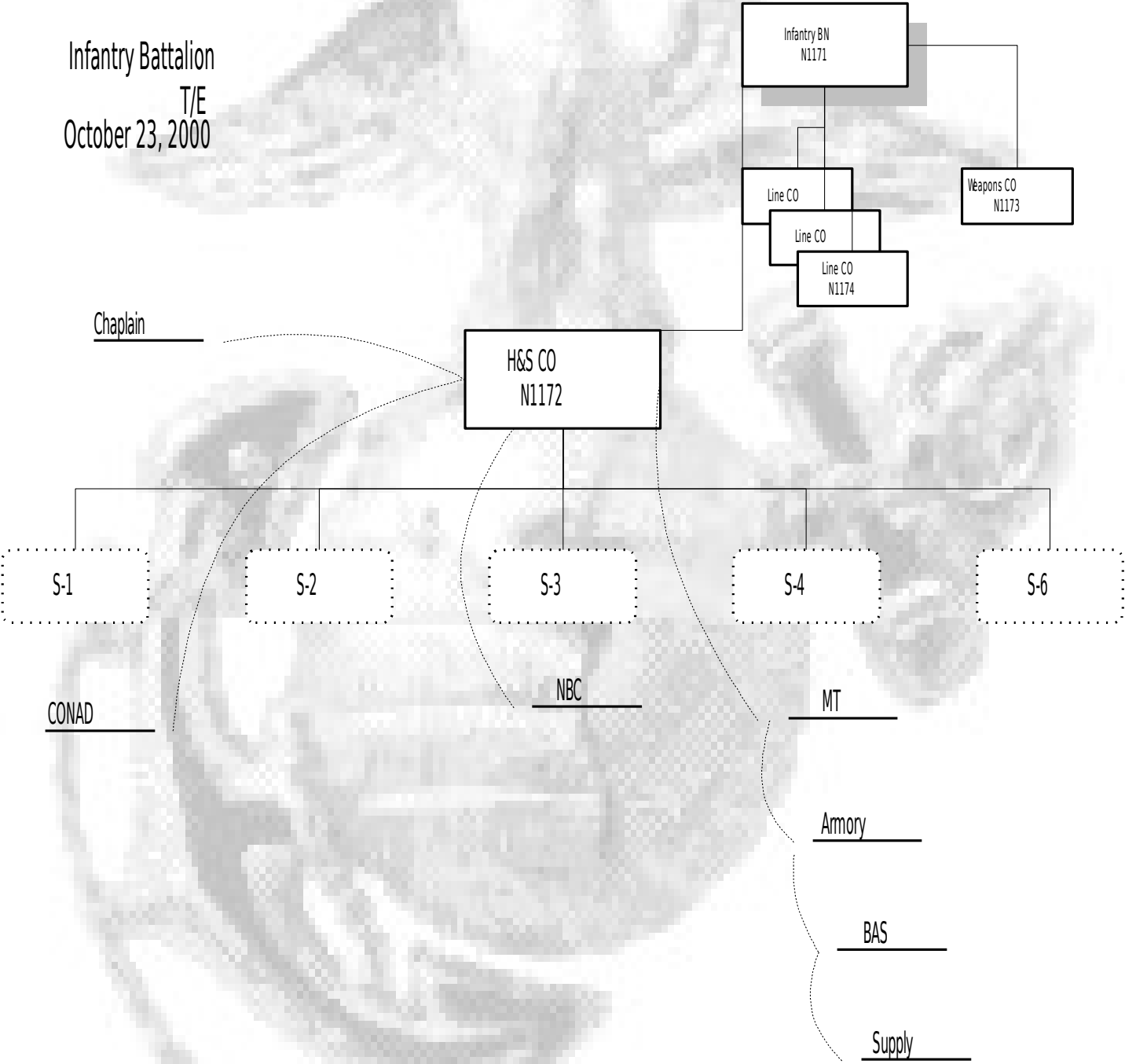
Infantry Battalion

T/E

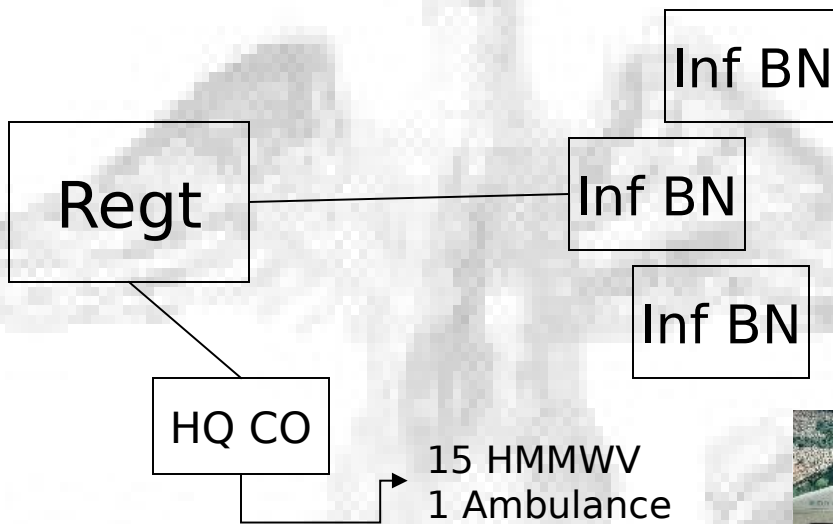
August 3, 2000



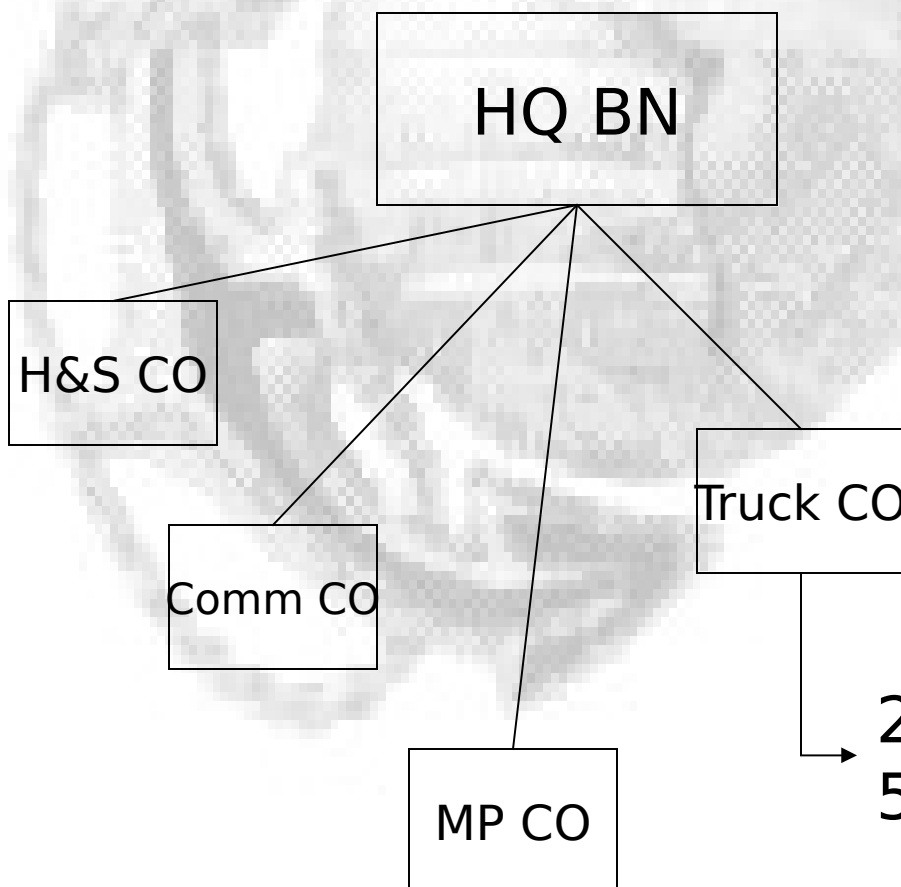
Infantry Battalion
T/E
October 23, 2000



Infantry Regiment



Division's HQ BN



Functional Areas

FSSG

Services

Disbursing, Legal, MP
Postal CA, MA, MWR

H&S BN

Supply

Organizational, Retail & Wholesale
CL I, II, III(P), V, VIII & IX, PP&P
AMAL

Supply BN

3d FSSG

MRB

Maintenance

Org, Intermediate & Depot
EMC, ELMACO, OMC,
MTM, GSM

Maint BN

Health Services

Echelons of care: BAS >> Clinic / Hospital

Narcotics

Med BN

ADAL

Dent BN

General

Engineering

Horiz & Vertical
LOC & Camps

Eng Spt BN

Transportation

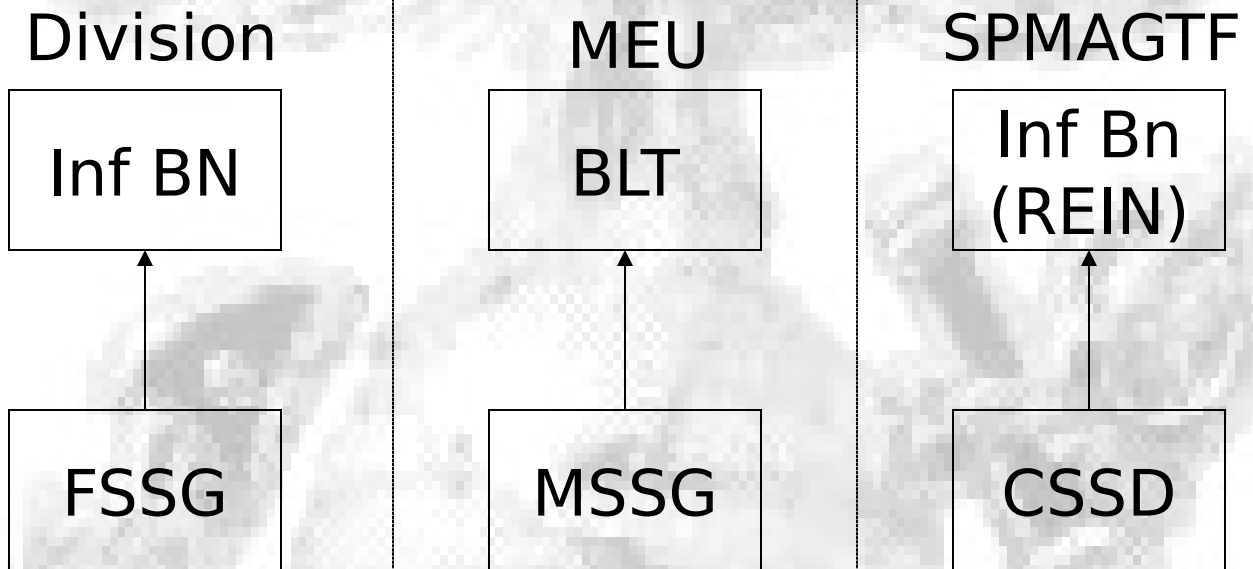
MVMNT of PAX,
Cargo & Equip

Port Ops
MHE

TSB

CSS Organizations

“Sustainment”



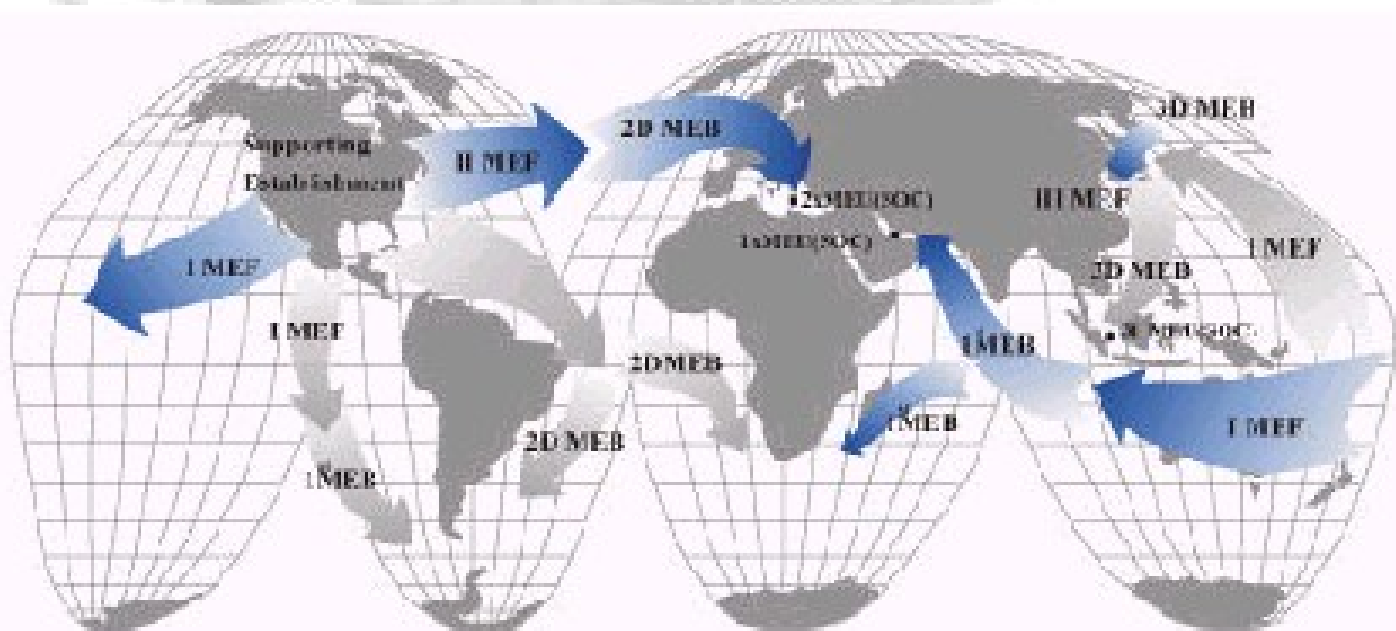
SIZED CSSEs

FORCE SERVICE SUPPORT GROUP
(**FSSG**)

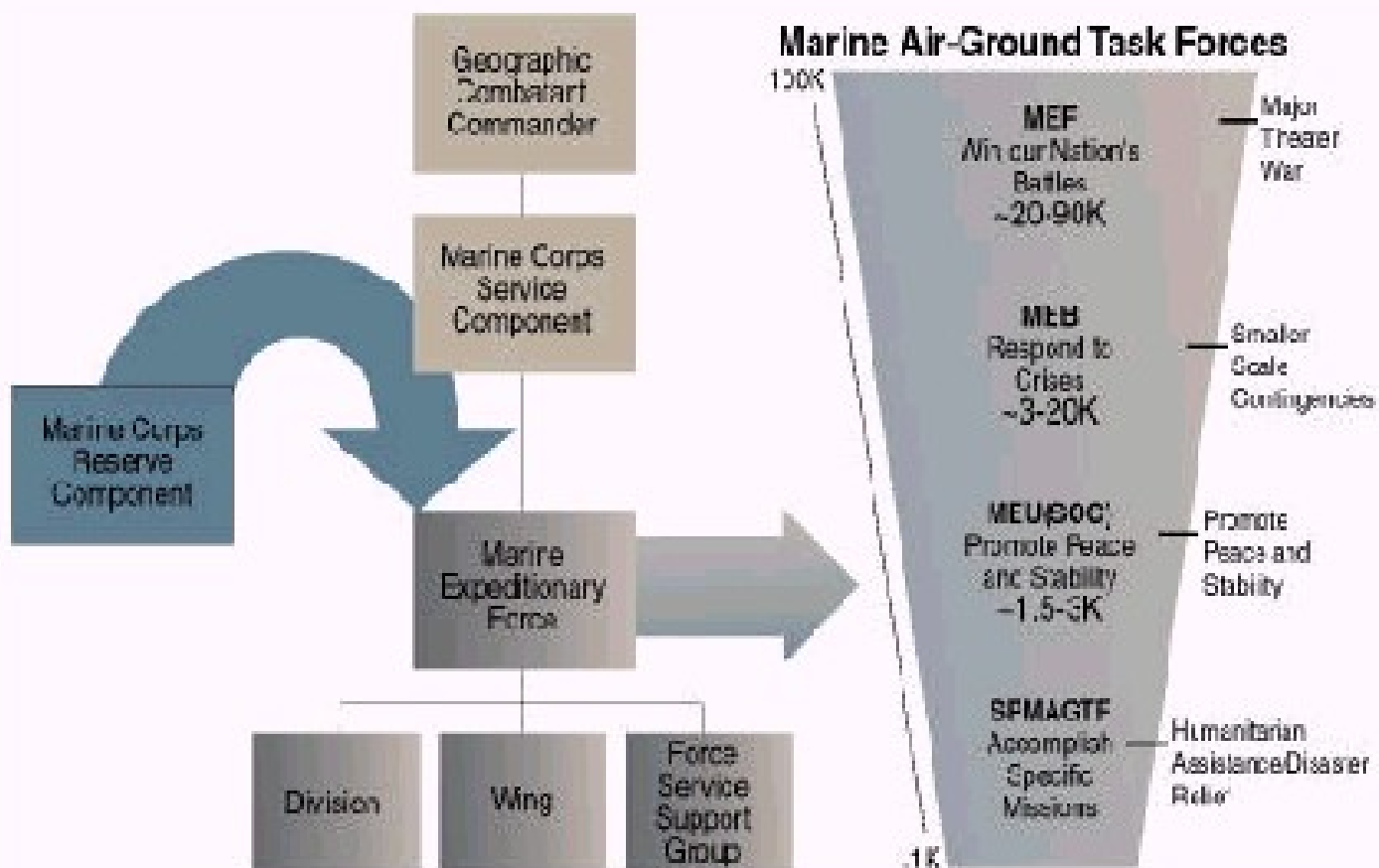
BRIGADE SERVICE SUPPORT GROUP
(**BSSG**)

MEU SERVICE SUPPORT GROUP
(**MSSG**)

COMBAT SERVICE SUPPORT DETACHMENT
(**CSSD**)



Forces matched to the Mission



Forward-deployed MEUs serve as advance echelons of MEBs, which in turn serve as advance echelons of MEFs.

MEF Assets

MARINE DIVISION

Major Weapons

58 - Tank
208 - AAV
110 - LAV
72 - 155mm HOW(T)
72 - 81mm Mortar
81 - 60mm Mortar
106 - TOW Launcher

MAW

Aircraft / Launchers

60 - AV-8B
72 - F/A-18
6 - EA-6B
12 - KC-130
48 - CH-53D/E
24 - AH-1W
60 - CH-46E
24 - UH-1N
90 - Stinger Teams

- MEF - Principle Warfighting organization
- MEF is how the Marine Corps prefers to be employed
- Commanded by a Lieutenant General
- 50 - 60,000 Marines & Sailors
- **FORCE SERVICE SUPPORT GROUP**
- **60 days sustainability**

Major Equipment

9 - Med Girder Bridge
19 - Cranes
392 - Generators
345 - 5-Ton Trucks
230 - Forklifts
39 - Bulldozers
230 - Dragon Wagons
447 - Light Trucks
885 - Assorted Trailers

80 - Water Purifiers

MEB Assets

MARINE REGIMENT

Major Weapons

15 - Tanks

47 - AAV

27 - LAV

24 - 155mm HOW(T)

24 - 81mm Mortars

24 - TOW Launchers

- Lead element for a MEF
- More capability than MEU(SOC) or SPMAGTF
- Commanded by a BGen/MajGen
- 15 - 18,000 Marines & Sailors

MAG

Aircraft / Launchers

40 - AV-8B

24 - F/A-18

4 - EA-6B

6 - KC-130

32 - CH-53D/E

12 - AH-1W

48 - CH-46E

12 - UH-1N

45 - Stinger Teams

- **30 BRIGADE SERVICE SUPPORT GROUP**
sustainability

Major Equipment

1 - Med Girder Bridge

1 - 30 Ton Crane

5 - 7.5 Ton Cranes

2 - 600k Gal Fuel Systems

44 - 3-100kw Generators

75 - 5-Ton Trucks

9 - Water Purify Units

116 - Forklifts

5 - Bulldozers

3 - Road Grades

MEU (SOC)

Assets

BATTALION LANDING TEAM

Major Weapons

15 - AAV
8 - LAV
6 - 155mm HOW(T)
4 - Tanks
8 - 81mm Mortars
12 - 60mm Mortars
8 - TOW Launchers

- Task-organized units *forward deployed* aboard amphibious ships
- *2,200+/- Marines* under single commander (Colonel)
- **15 days of sustainability**

COMPOSITE SQUADRON

Aircraft / Launchers

6 - AV-8B
2 - KC-130
4 - CH-53D/E
12 - CH-46E
4 - AH-1W
3 - UH-1N
15 - Stinger Teams

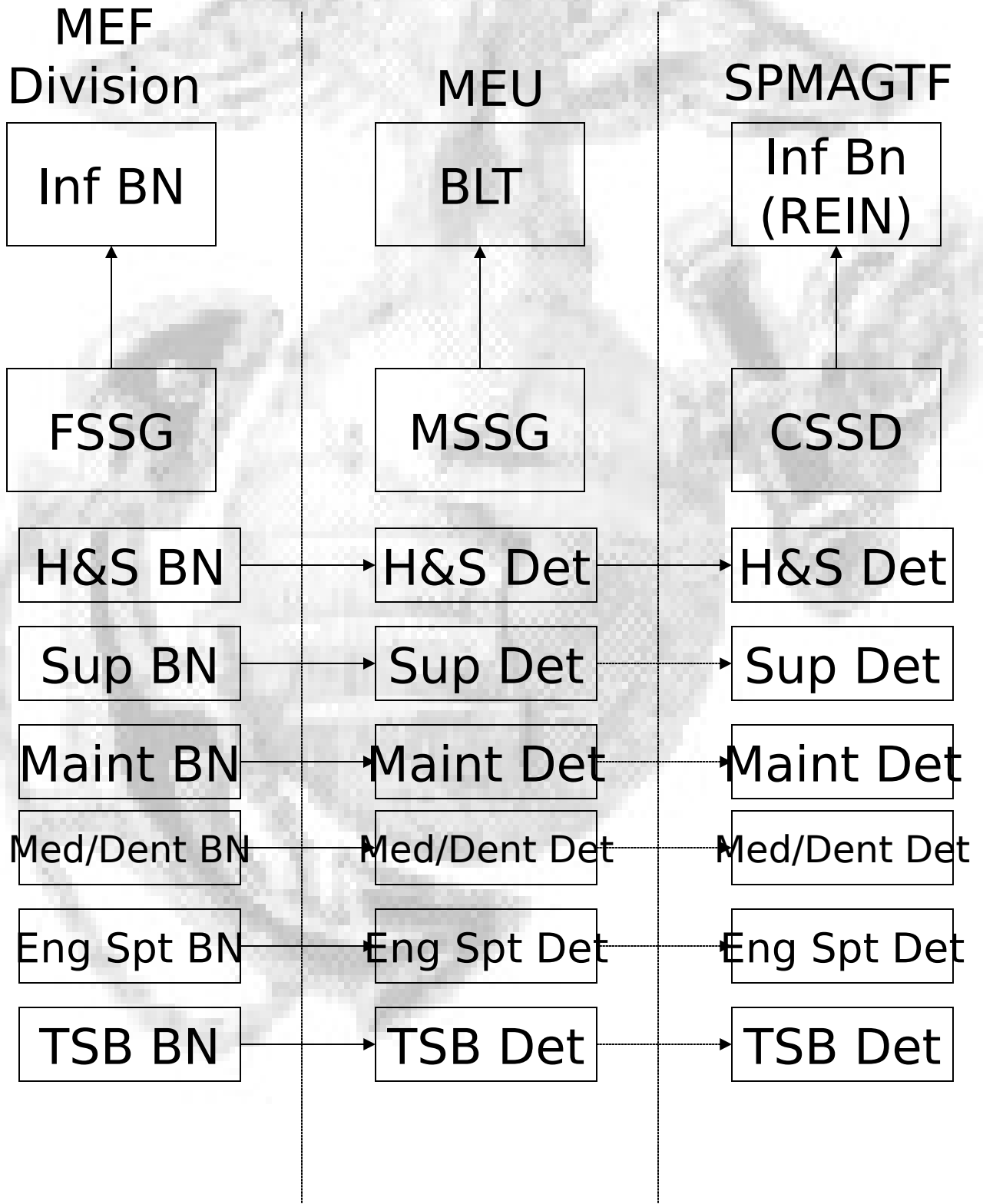
MEU SERVICE SUPPORT GROUP

Major Equipment

5 - 10kw Generators
4 - 30kw Generators
20 - 5-Ton Trucks
1 - 5-Ton Wrecker
1 - Water Purify Unit
1 - Forklift
1 - Bulldozer
4 - Water Trailers

SIZED CSSEs

(Expanded)



Numeric Designations of CSSE's

**1st FSSG: 11 - 19 & 51
- 59**

BSSG-1

CSSG-1

**2d FSSG: 21 - 29 & 61
- 69**

**BSSG-2 / FSSG
(FWD)**

BSSG-4 (AT)

**3d FSSG: 31 - 39 & 71
- 79**



BREAK

CSS PLANNING DOCUMENTS



LOG/CSS ESTIMATE

ANNEX D

CSSE OPERATION
ORDER

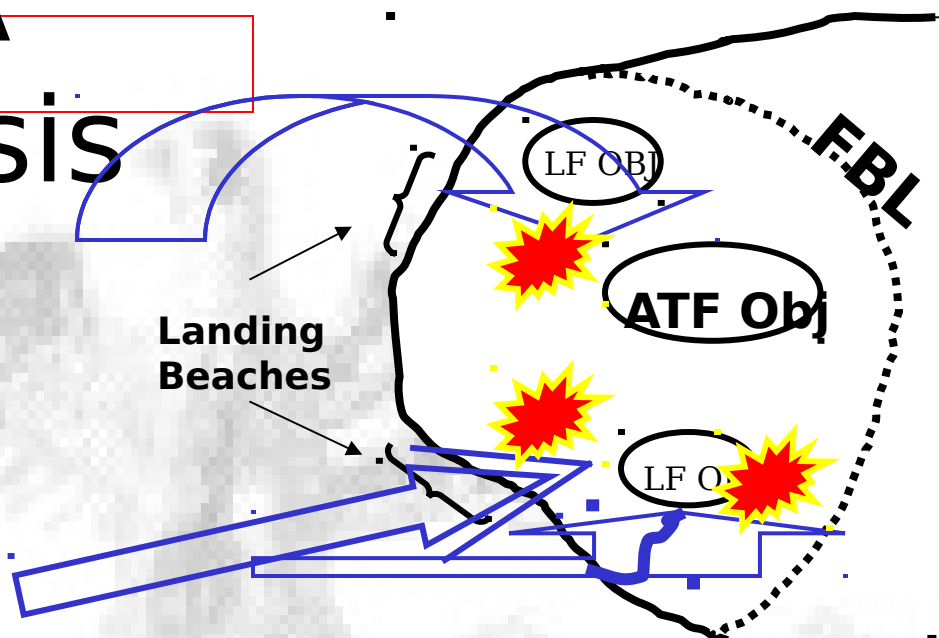
Logistic/CSS Estimate

- **Reference: MCWP 4-11 [Appendix B]**
- Reception of:
 - Campaign Plan
 - Operation Plan (OPLAN) or Operation Order (OPORD)
 - Warning Order, Alert Order, Planning Order, Execution Order
- MAGTF S-3 identifies:
(3) Courses of Action (**COAs**)
- “Staff Estimate”
- CSSE provides equivalent CSS Estimate
 - Consideration of relevant facts
 - Current disposition
 - Supported units requirements
 - Commander’s guidance and intent
 - Analyze each COA by functional area
 - Capabilities & Requirements by CCS functional areas
 - Pro / Cons of each COA
 - Summarize

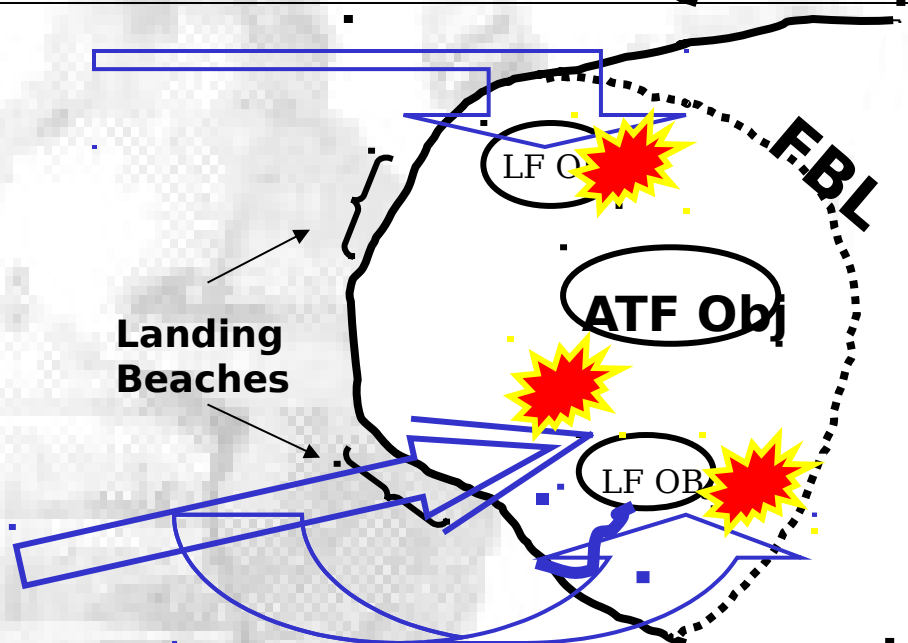


COA Analysis

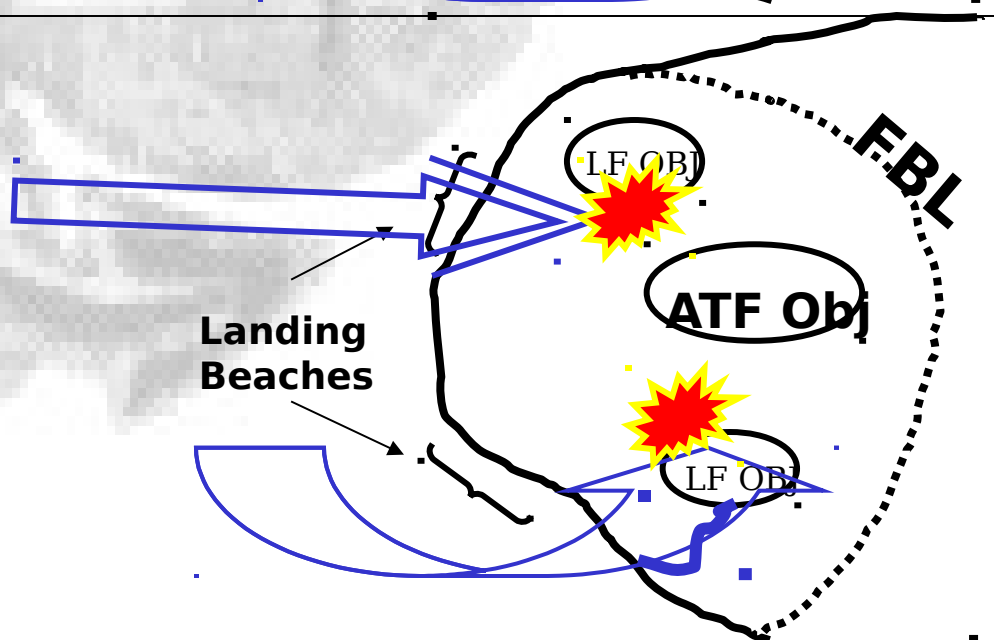
#1



#2



#3



Annexes to Op Order

- Refer to Valiant Usher's (37th MEU) Operations Order (Op Order), pg. 10.
- Annex A: Force Composition
- Annex B: Intelligence
- Annex C: Operations
- Annex D: Log / CSS Operations
- Annex E: Personnel
- Annex J: Command Relationships
- Annex K: Communications Plan
- Annex N: Aviation Operations
- Annex R: Amphibious Operations
- Annex S: Ground Safety

Annex D

- Refer to Valiant Usher's (37th MEU) Annex D & **MCWP 4-11 [Appendix C "Sample Format Annex D"]**
- Logisticians detailed guidance for support of the operation
- Supports the S-3s Annex "C"
 - Maneuver elements Concept of Operations
- Establishes rules of engagement (ROE) for logistics support
 - Provides Concept of Logistics & CSS Support
 - Support by phases or periods
 - External & Internal support requirements
 - Financial Guidance
 - Appendices for each CS functional area
 - Organizational & CSSE Support Requirements



Concept of Logistics / CSS

- Refer to Valiant Usher's (37th MEU) Operations Order (Op Order) & **Reference: MCWP 4-11 [Appendix C (pg C-2) "Sample Format Annex D"]**
- COA selected
- War Gamed COA
- Summary of over-arching operations
 - See paragraphs **4.b.** (p.g 9 of Op Order)
 - See paragraph **3** (pg. D-1 & 2 of Annex D)
 - 3.a.: Concept of Logistics Support
 - 3.b.: Concept of CSS
- "Synchronize" CSS Operations



CSSE Operation Order

- Reference: FMFM 4-1 [Appendix C]
- CSSE Commanders Op Order
- Describes “*how*” CSSE will support the MAGTF
- Provides the CSSE mission
 - Paragraph 4: Admin & logistics
 - Refers to CSSE’s Annex D
- Details support missions
 - By detachment
 - DS / GS
- SMEAC format





BREAK

STANDARD MISSIONS

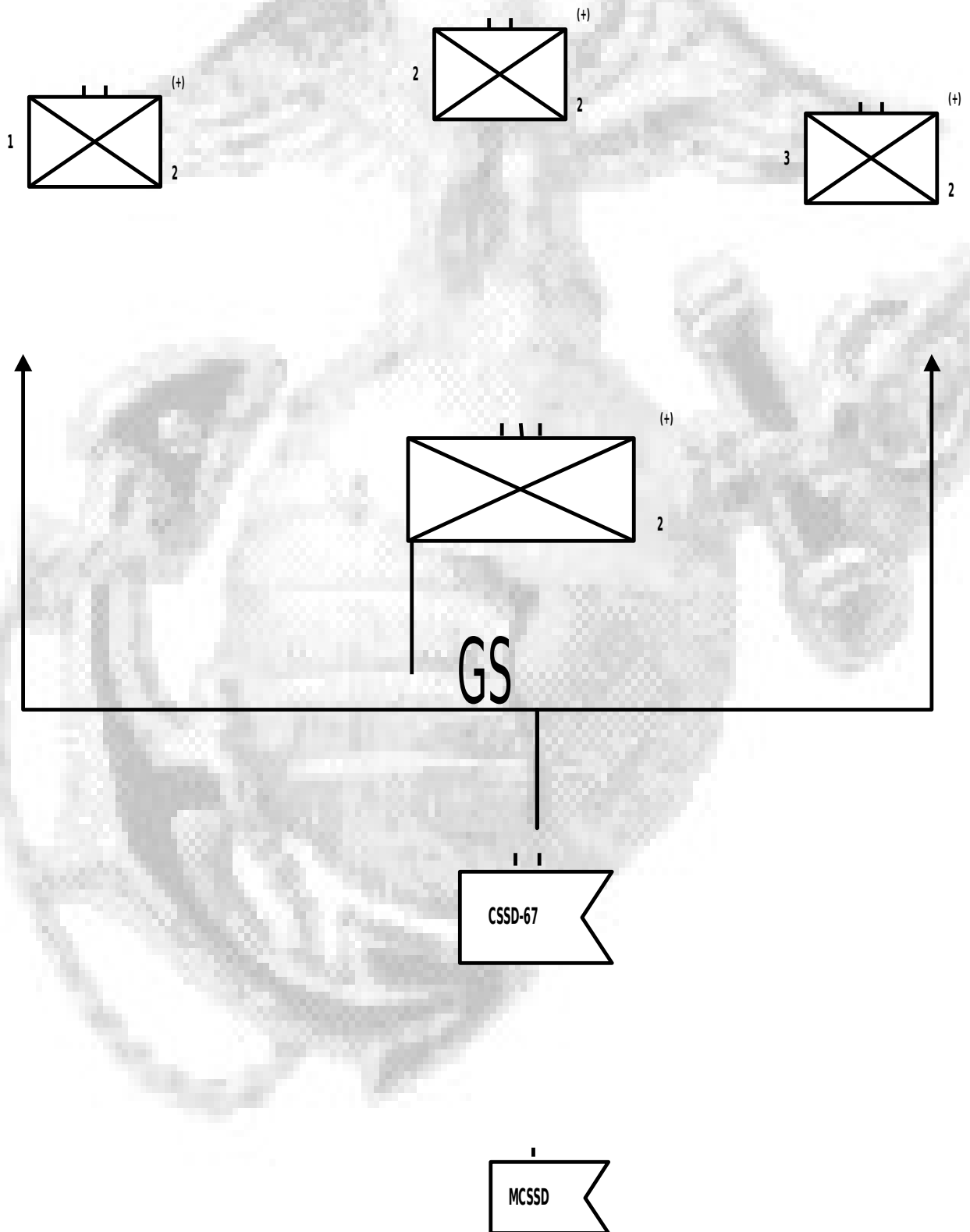
DIRECT SUPPORT (**DS**)

GENERAL SUPPORT (**GS**)

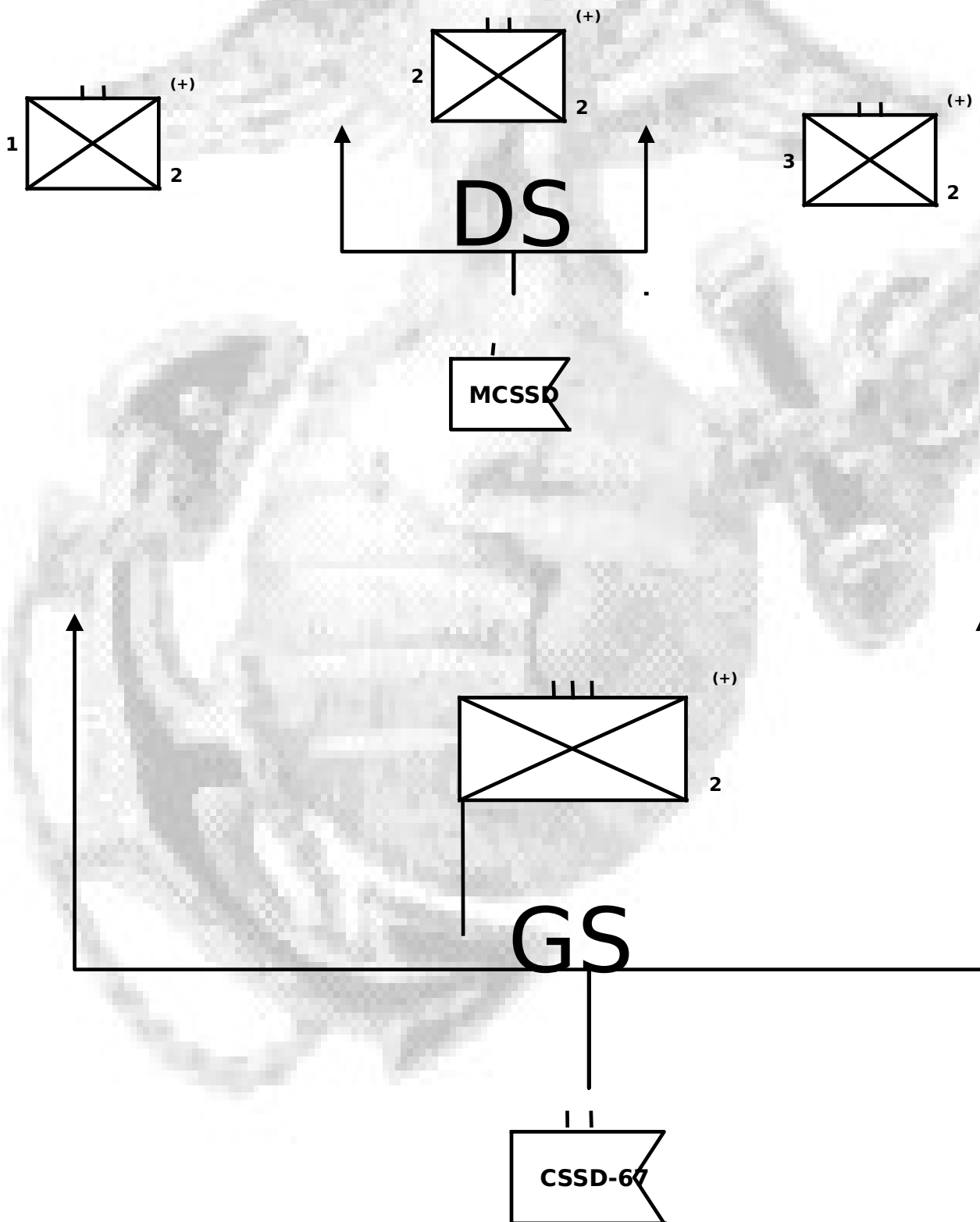
MUTUAL SUPPORT



General Support (GS) Missions



The diagram illustrates a three-stage rocket engine system. At the top, a stage labeled 'DS' contains two engines, each with a '1' on the left and a '2' on the right. Below this stage is a 'MCSSD' (Main Control System) block. In the middle, a stage labeled 'GS' contains one engine with a '2' on the right. Below this stage is a 'CSSD-67' (Control System) block. At the bottom, a stage contains one engine with a '2' on the right. Arrows indicate the flow of gas from the engines to the control systems. The background features a faint image of a rocket engine.



CSS MISSION STATEMENT

ESSENTIAL ELEMENTS:



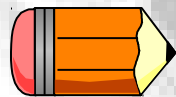
ID of supporting **ing** unit



Designation of standard mission



ID of supported **ed** unit



Additional Information



EXAMPLE

SUPPORTING UNIT: CSSD-67

MISSION ASSIGNED: Support
Whole force (GS)

SUPPORTED UNIT:
2nd Marines, 2nd
MarDiv

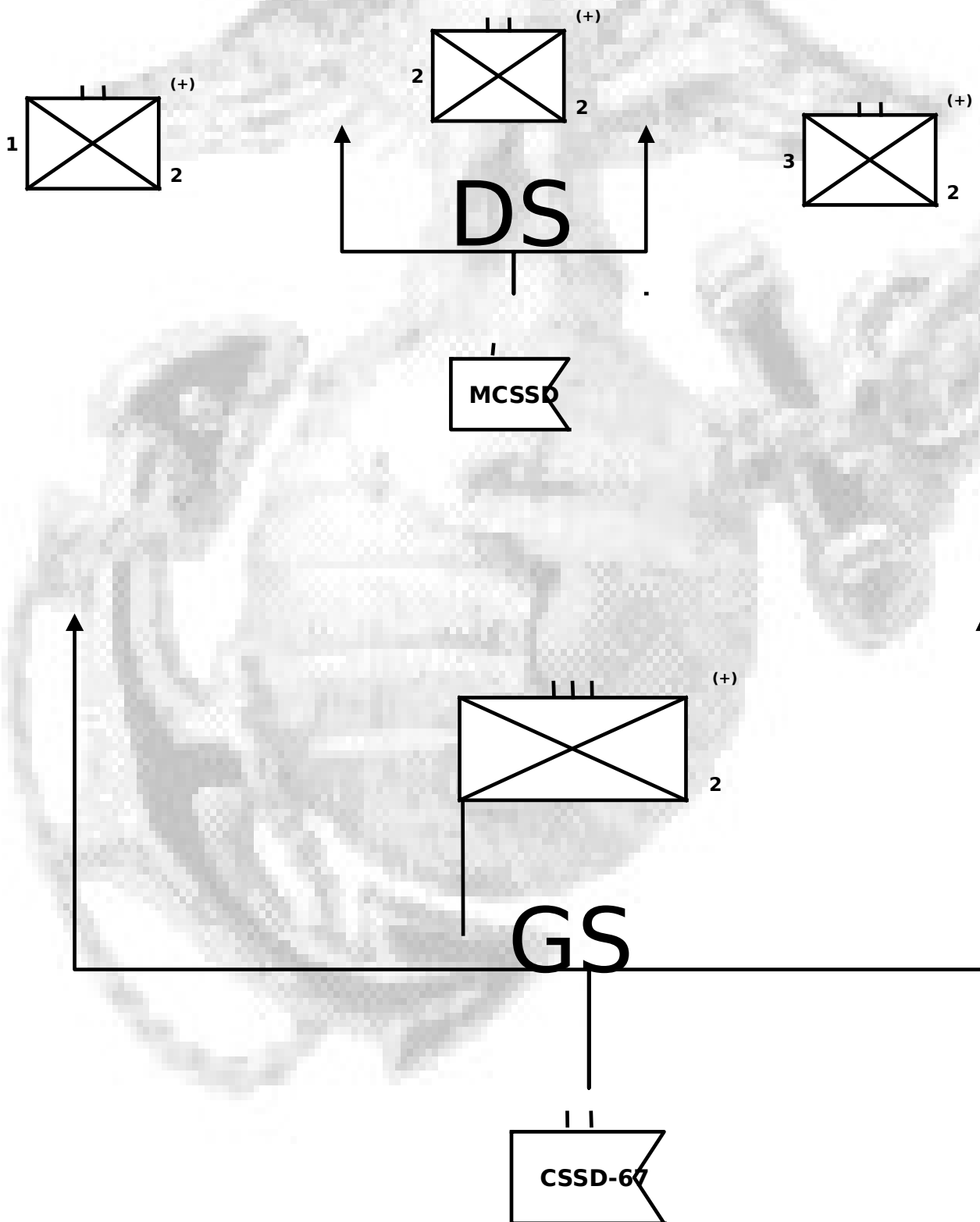
ADDITIONAL INFORMATION:

On order, provide priority of support (**DS**) to 2nd Battalion, 2nd Marines, 2nd Marine Division.

MISSION STATEMENT

CSSD-67 provide
General Support (**GS**) to
2nd Marines, 2nd MarDiv.

O/O, provide
Direct Support (**DS**) to
2nd Battalion, 2nd
Marines.



NONSTANDARD MISSIONS

*CSSD-28 provides general support
for assigned U.S. and multinational
forces.*

Optional fourth element

Para 3 of the CSSE OpOrder

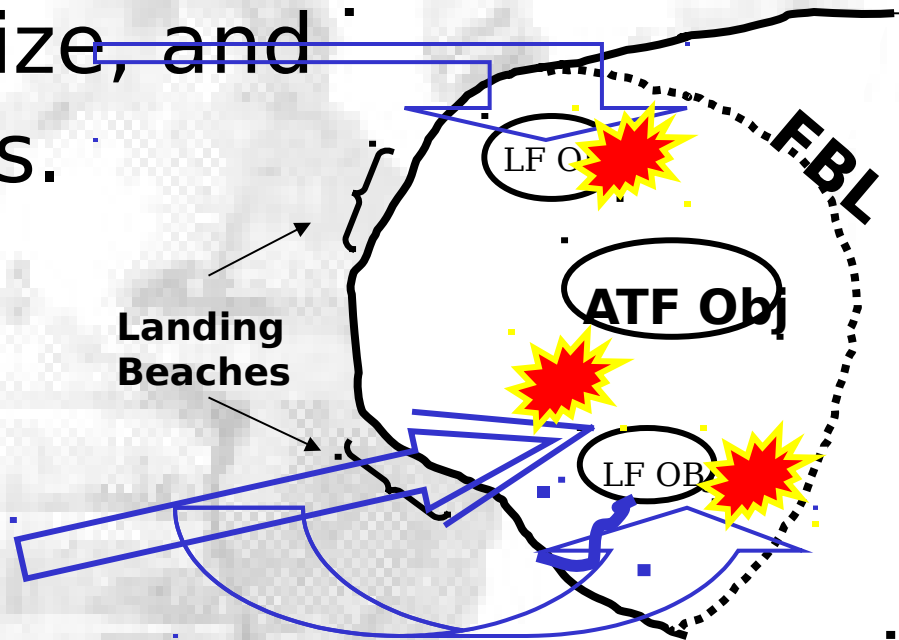




BREAK

CSS INSTALLATIONS & ORGANIZATIONS

↓ Tactical situation dictates their number, location, size, and capabilities.



**ABOARD
SHIP**



ASHORE

Landing Force Support Party (LFSP)



- *Temporarily tasked* organized
- Peculiar to *amphibious* operations
- Supports the landing and movement of troops, equipment, and supplies across beaches or into helicopter landing zones (HLZ's)
 - Manages beaches and HLZs
 - Establishes initial communication



BEACH SUPPORT AREA (BSA)

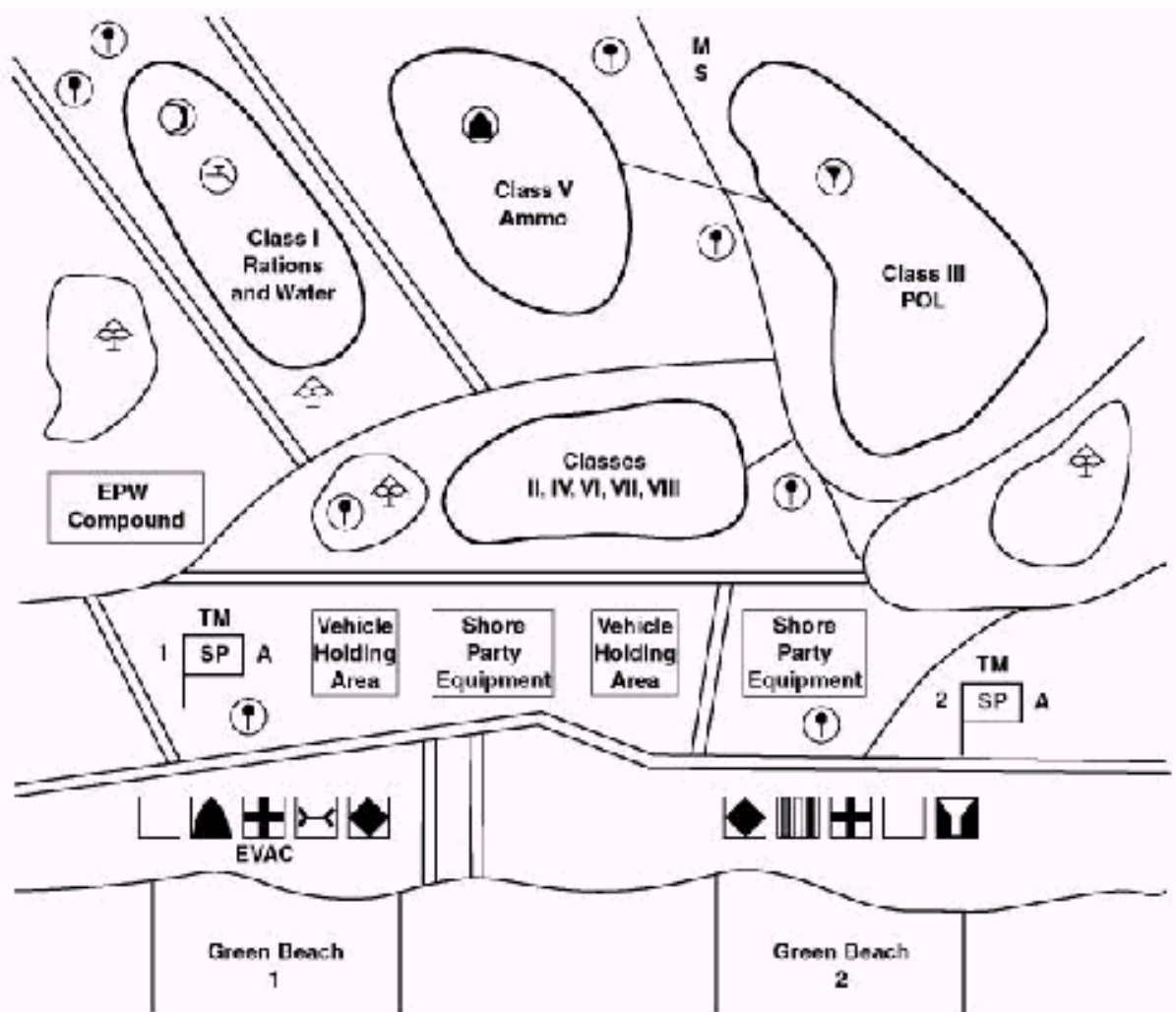


Figure 4-1. General Layout of BSA.

Sample HLZ

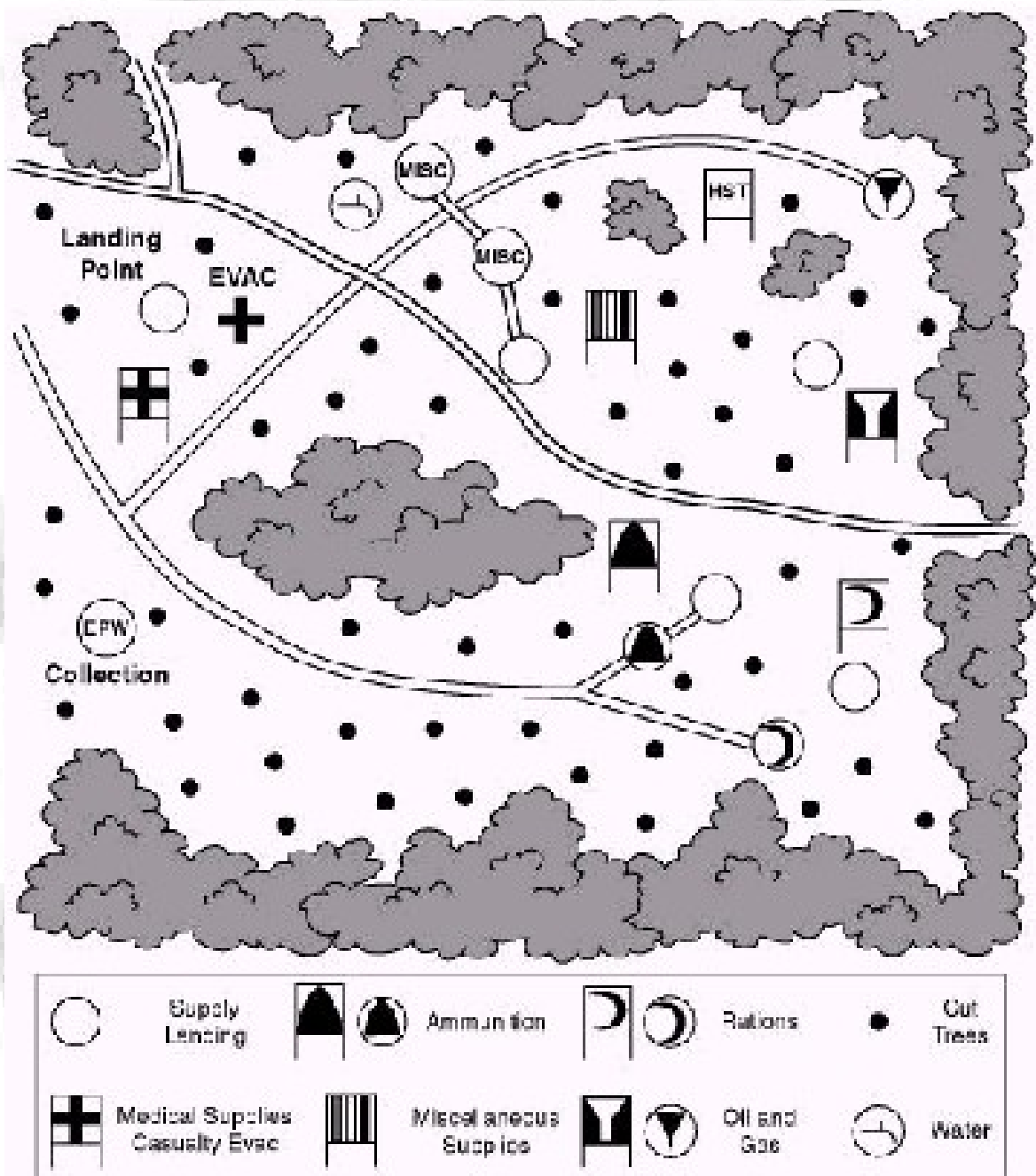


Figure 5-3. Sample Helicopter Landing Zone.

CSS INSTALLATIONS

COMBAT SERVICE SUPPORT AREA
(**CSSA**)

FORCE COMBAT SERVICE SUPPORT
AREA
(**FCSSA**)

LANDING ZONE SUPPORT AREA
(**LZSA**)



CSS INSTALLATIONS

(cont.)



REPAIR AND REPLENISHMENT
POINT
(RRP)



FORWARD ARMING AND
REFUELING POINT
(FARP)



AIRFIELDS



Aviation Peculiar Supply Support

- Air-Capable Ships
 - LHA/LHD, LPD & LSD



- Marine Aviation Logistics Squadron (MALS)

- Navy funded
- Support MAG
- Supply & Maint



- Marine Wing Support Group
 - Refueling
 - Engineer Svc
 - Expeditionary Airfields



- Marine Air Control Group (MACG)
 - Secondary Repairables

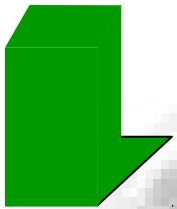


- Addition Supply Support
 - Aircraft & ASPs

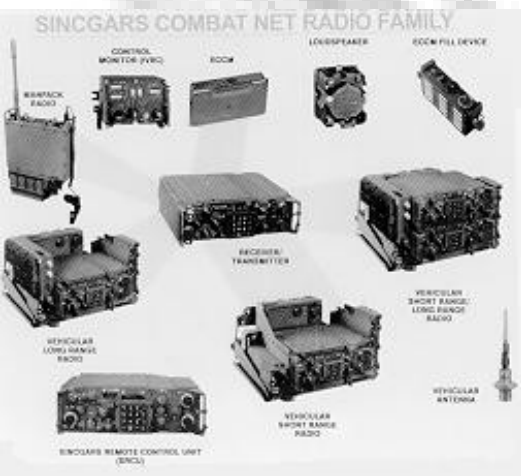


BREAK

CSS OPERATIONS CENTER (CSSOC)



Agency within the structure of the CSSE and subordinate CSS units which controls and coordinates the
day-to-day operations of the CSS organization.

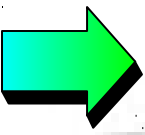


PURPOSE

Supervises the execution of the CSSE commanders decisions by continuously monitoring and recording the **status of CSS operations.**



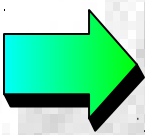
RESPONSIBILITIES




Meeting the needs of the supported units.



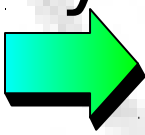
Monitors and records the status of CSS operations.



Supervises the execution of the CSSE commander's decisions.

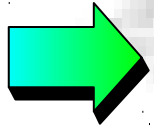


Operates 24 hours per day during combat operations.

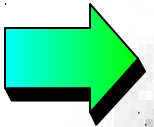


Controls the CSS request net(s), CSSA local net(s), hot lines, and teletype

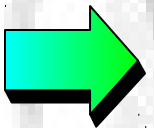
FUNCTIONS



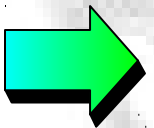
Receiving and recording operational reports.



Maintain current plots of friendly and enemy situations.



Preparing and submitting operational reports.

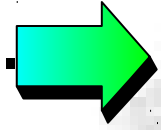


Communication channels.

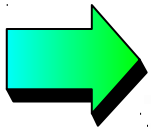


Transmitting orders and

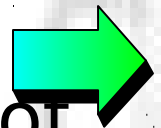
FUNCTIONS (cont.)



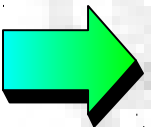
Monitoring the progress of operations.



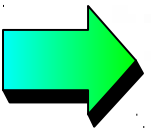
Advising interested staff sections of events or information of immediate concern.



Serving as the principle point of contact for liaison personnel.



Maintaining CSS RAS security overlay.



Coordinating RAS for CSS installations within the

rear

area

ARRANGEMENTS

CENTRALIZED

Places functional
representatives
with the CSSOC

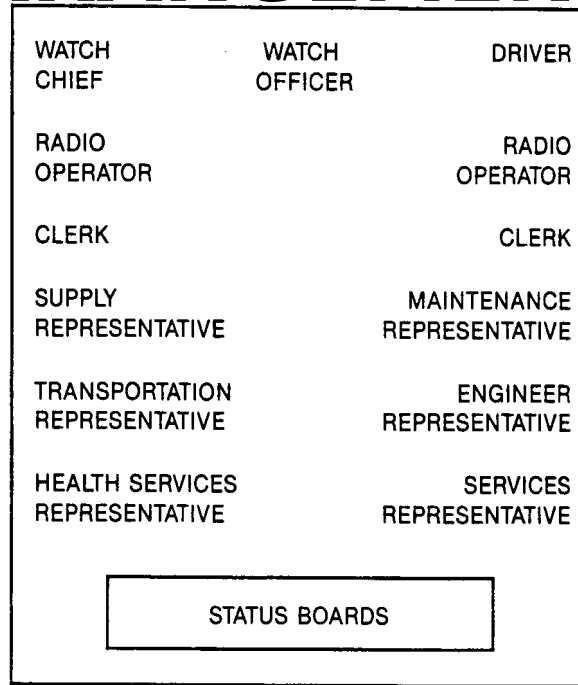


Figure 3-3. Centralized CSSOC Arrangement.

DECENTRALIZED

Dispersion of distribution of
functions and powers from a
central authority to submits
or organizations.

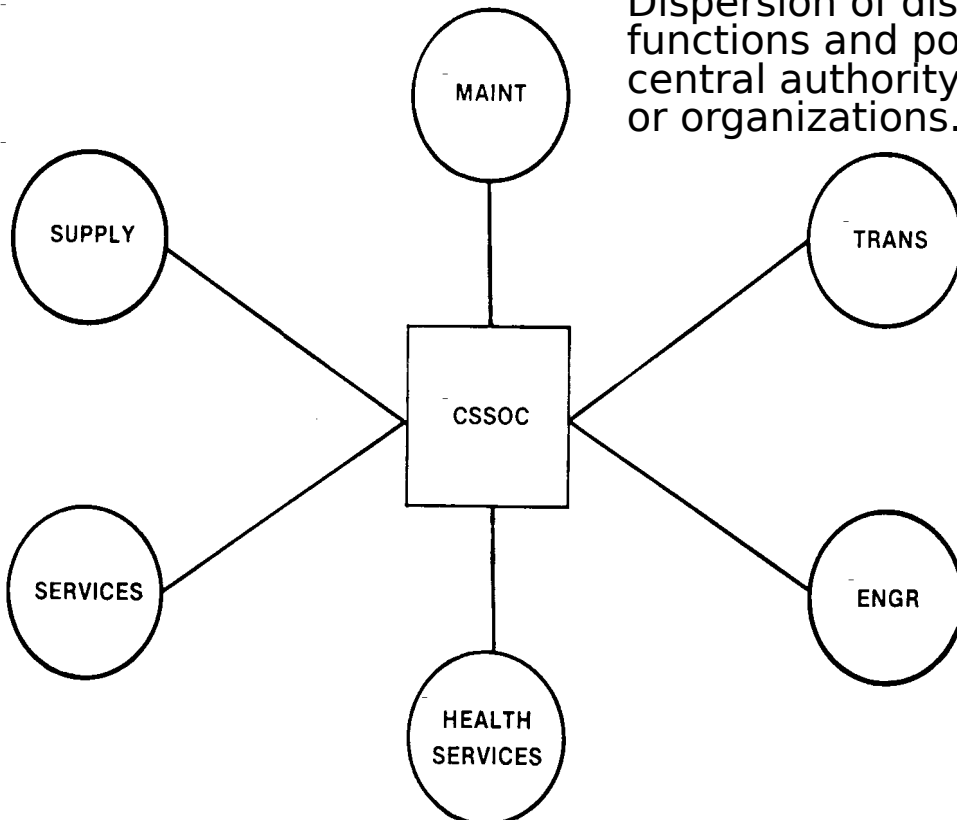


Figure 3-4. Decentralized CSSOC Arrangement.

RAPID REQUEST

FORMAT:

Normally specified in the CSSEs *local SOP* and should be made available to all supported units.

ROUTING:

All requests both internal and external to the CSSE will be submitted to the CSSOC (Operations Officer / Chief / Watch Officer).



PENDING RAPID
REQUEST FILE

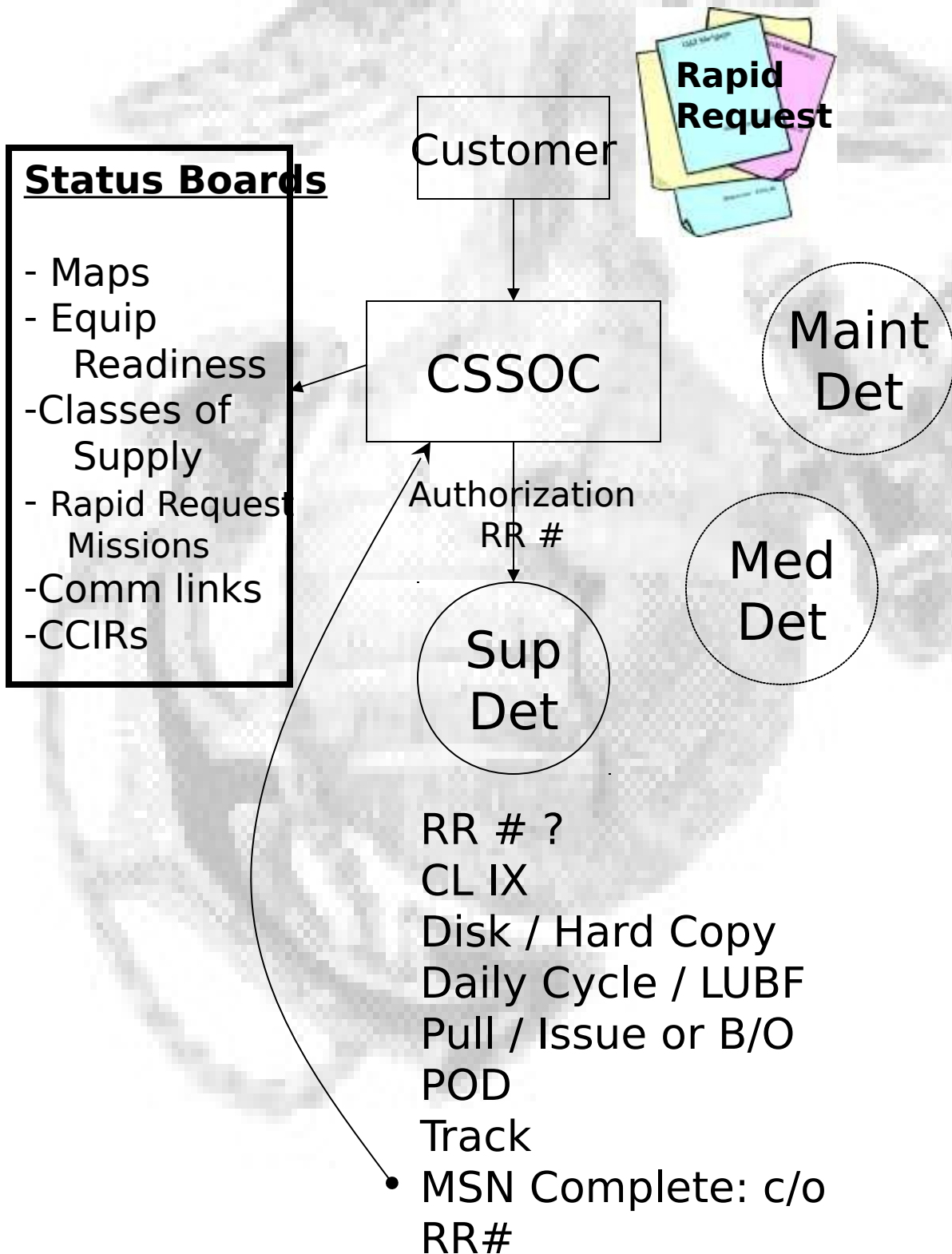


COMPLETED RAPID
REQUEST FILE



CANCELED RAPID
REQUEST FILE

Rapid Request Flow Chart

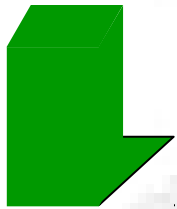




BREAK

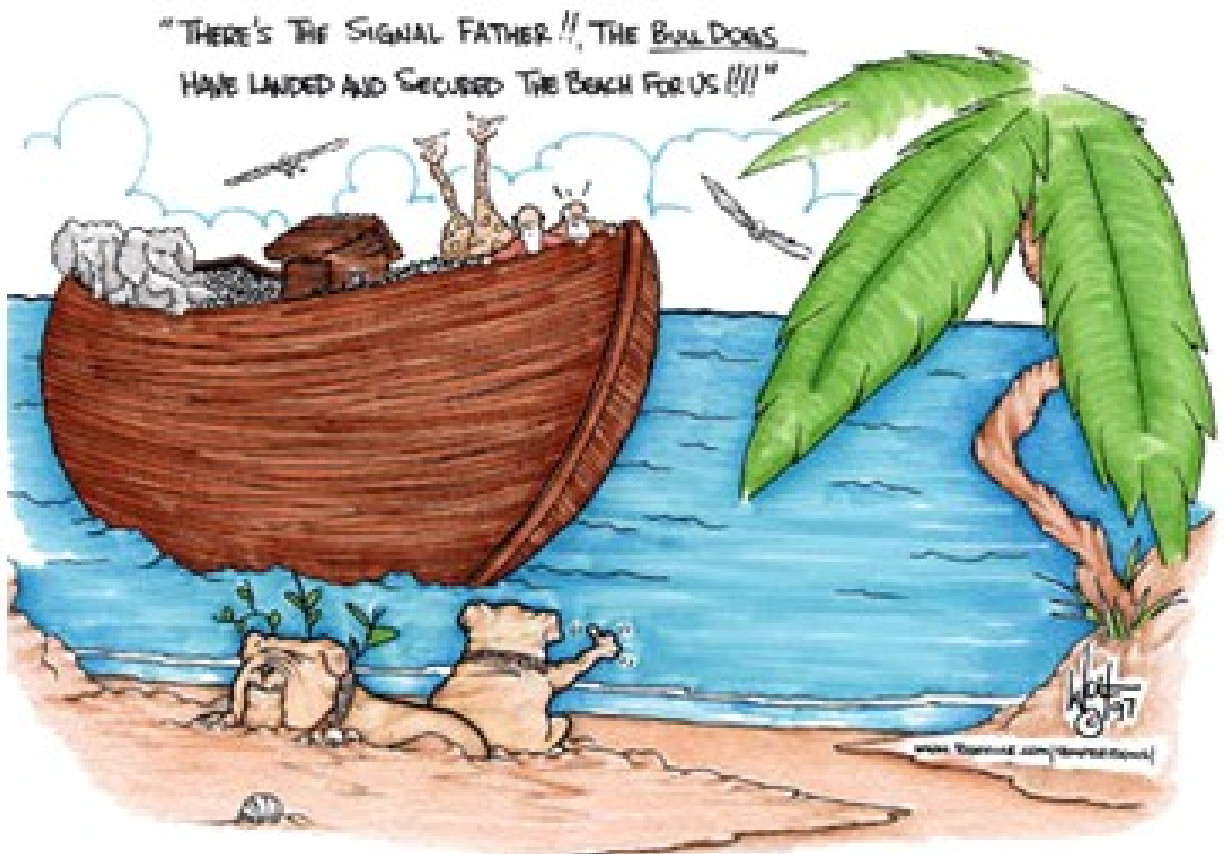
**CSSOC/
Rapid Request
PA is next!**

TACTICAL LOGISTICAL GROUP_ (TACLOG)



Temporary task

organization formed by the

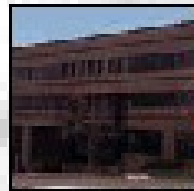


AUTHORITY

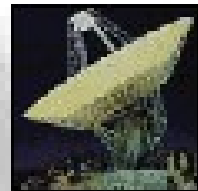
**MAGTF (CE)
TACLOG
is the
senior LF
TACLOG**



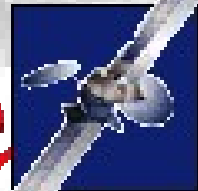
Commercial
Imagery
satellite



Sattelite
Processing
Center



Ground
Station



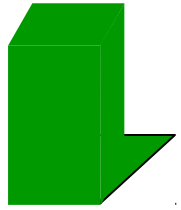
Communications
Satellite



Communications
Network

SIRE
WORKSTATION

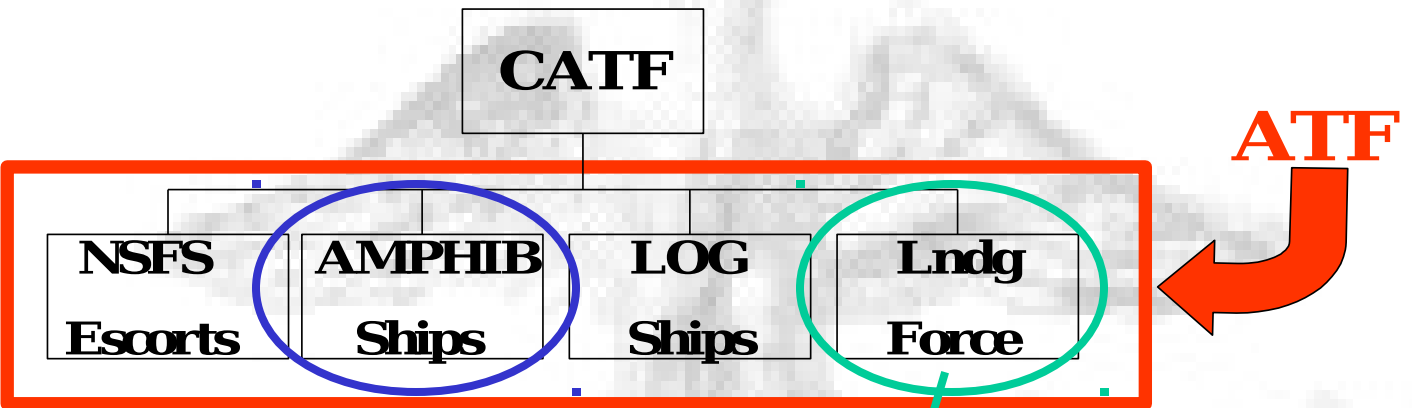
MISSION



The landing forces liaison to the Navy control organization



CATF & CLF



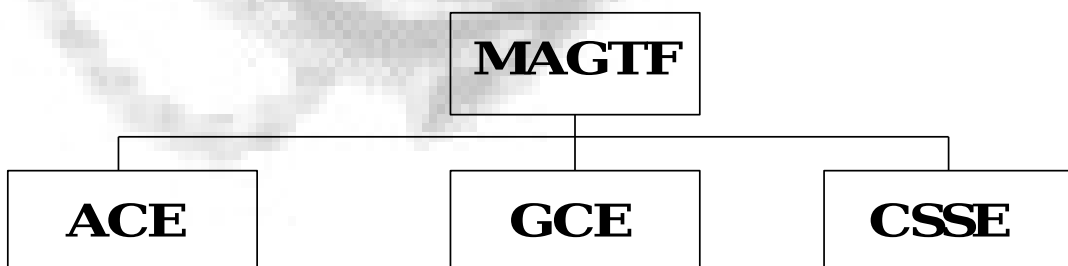
Commander of the Amphibious Task Force (CATF)

- Navy officer
- Full responsibility for ATF and Overall Operation

CLF

Commander of the Landing Force

- Marine Corps or Army officer
- OPCON of the Landing Force (LF)
- Assumes responsibility of LF when established ashore



MEU Organization

Rad Bn
Intel Co(CI)
Force Recon Plt
Comm Det
ANGLICO (R)

XX MEU(SOC)
(CE)

BLT X/X
(GCE)

Inf BN

AAV Plt

LAV Plt

Tank Plt

Arty Btry

Combat Eng Plt

Recon Plt

Sta/NGF Plt

HMM-XXX
(ACE)

CH53

CH46

AH-1

UH-1

AV8B

MACG Det

Log Agencies
Sup & Maint

C-130 Det
CONUS Standby

MSSG-XX
(CSSE)

Supply Det

Maint Det

Eng Det

MT / LS Det

Comm Det

Med/Dent
Det

HQ Det
EOD/Disbursing

ARG / MEU Composition

Death Star



LPD

MSSG CO
AAV Co

Ships CCO
TEO

LHA

PHIBRON Staff
CATF, N-4, CCO
MEU CE
CLF, S-4, EmbO
BLT CO
Helo & Boat Co
ACE CO
MSSG Reps

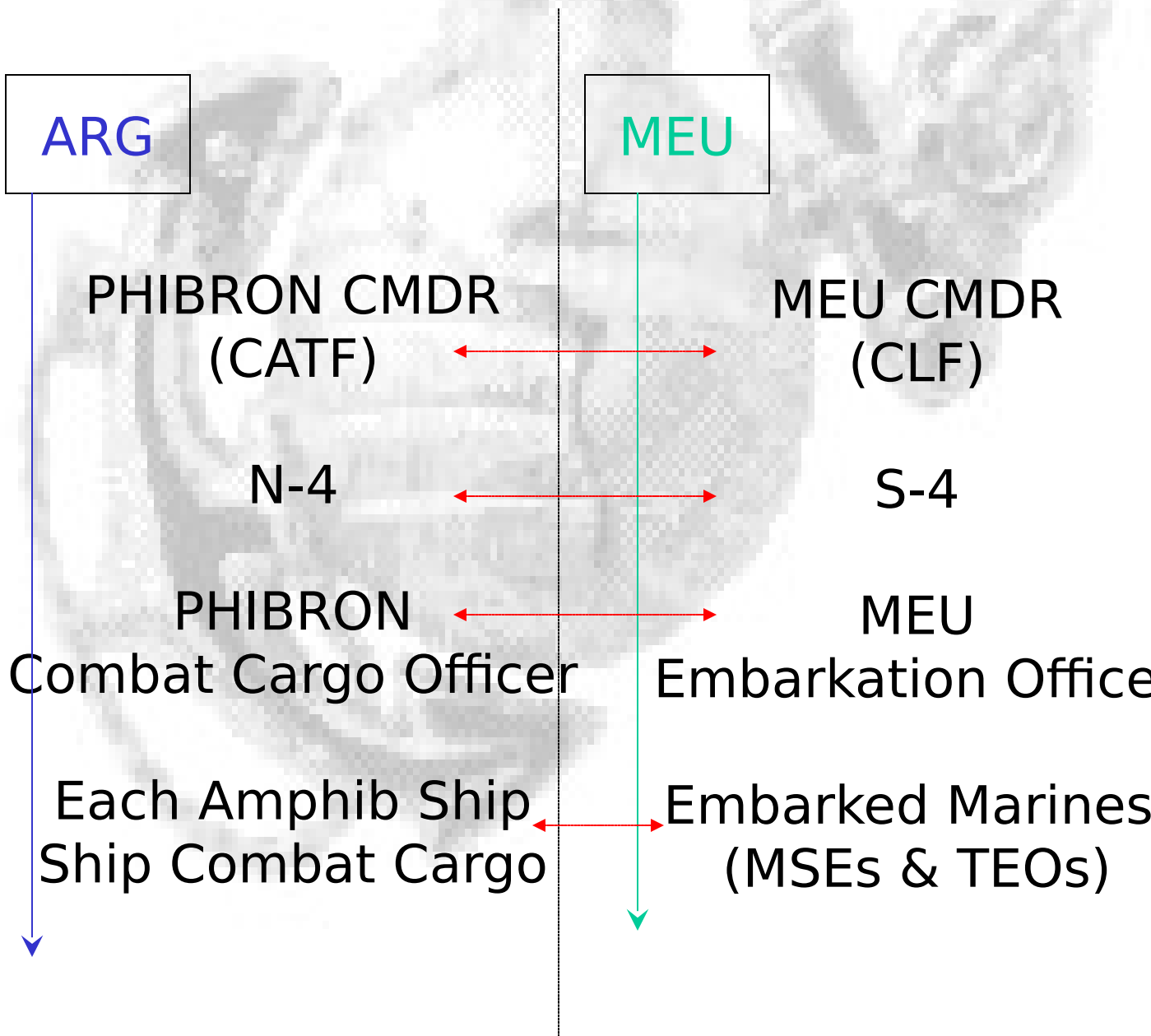
Ships CCO
TEO

LSD

TF LaSalle
Arty Btry

Ships CCO
TEO

TACLOG Coordination



TACLOG

Ships Layout



Navy Log
Personnel
PHIBRON CCO
Shore Party Net
Status Boards

PHIBRON's Combat
Information Center (CIC)

TACLOG

LFOC

MEU S-4 / Emb O
Watch Officer
MSE LNOs
CSS Request Nets
Status Boards

MEU S-3
Watch Officer
MSE LNOs
C2 Nets
Map Board
Status Boards

Amphibious Operations



AOA: Amphibious Objective Area

4 Conventional Types: “DRAW”

Demonstration

Raid

Assault

Withdrawal

- Establish a landing force on a hostile shore
“Forcible Entry”

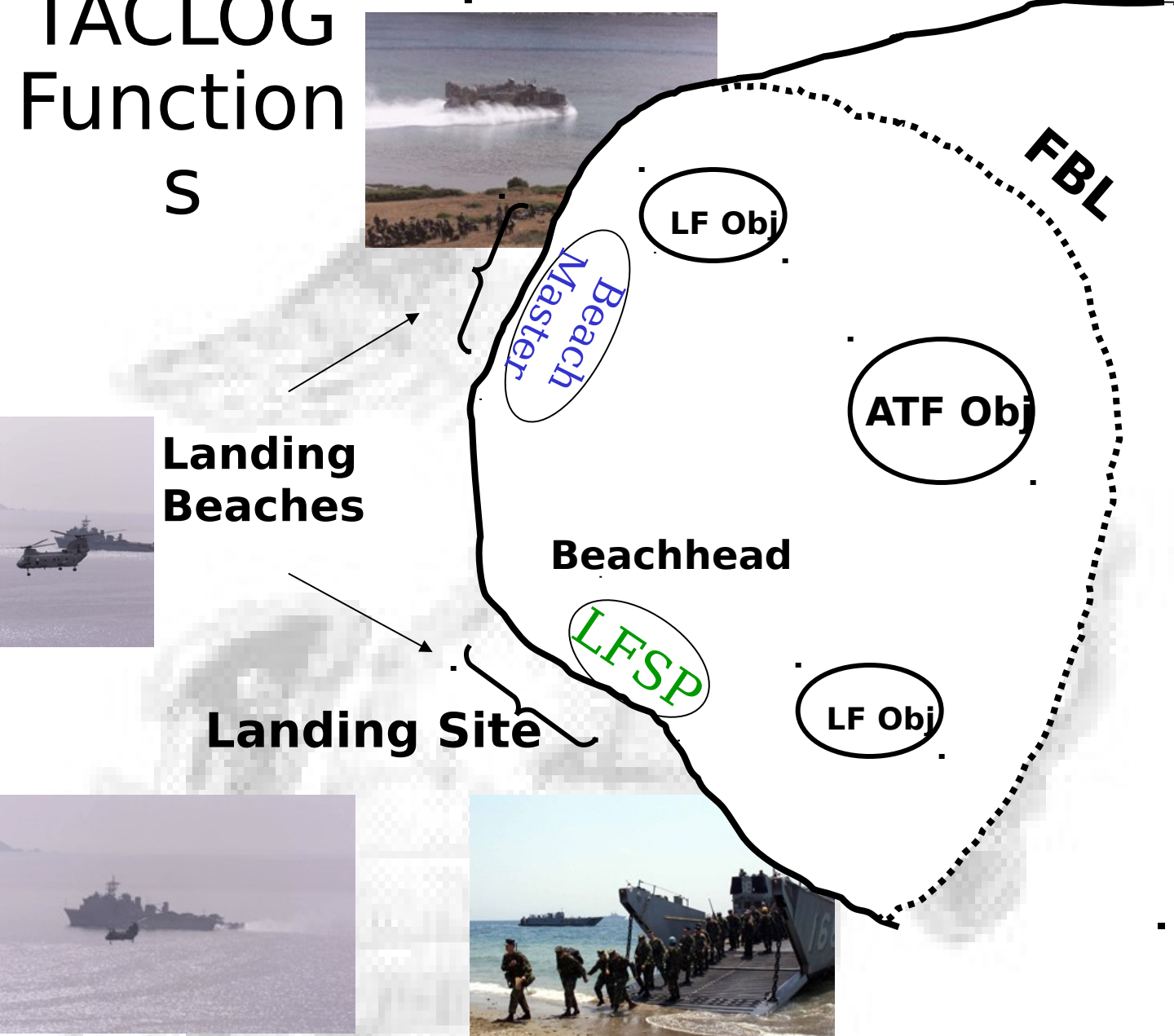
- Prosecute further combat operations

- Seize site for advance naval/air



Not testab

TACLOG Functions



- Planning**
- Embarkation**
- Rehearsal**
- Movement**
- Assault**

Not testable

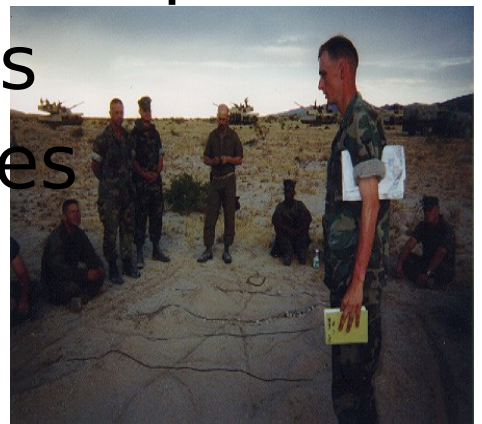
- * Know status of landing and support requests.
- * Orchestrate / regulate MVM of scheduled waves.
- * Floating Dumps & prepositioned supplies
- * On call waves prepared
- * Prep for nonscheduled waves



BREAK

PLANNING FOR SUPPLY SUPPORT OPERATIONS

- Supported^{***ed***} and supporting^{***ing***} units must know each others responsibilities
- Supported^{***ed***} unit commander will initiate planning for CSS through G-3/G-4 (S-3/S-4)
- Planning will include three categories
 - Determine Support required
 - Assigning priorities
 - Allocating resources



PLANNING FOR SUPPLY SUPPORT OPERATIONS

- Determine support requirements
 - The process used for this identification will be the standard METT-TS-L
 - Unit commander identifies support required beyond organic capabilities
 - Budget Data Sheet (BDS)
 - Requirements – Capabilities = Shortfalls



MAP 2

From: RMA And Plan, November 1980-July 1981
Revised: Military Planning, 1981
By: Billy C. Neuman

Requirements vs. Shortfalls

- Requirements - Capabilities = Shortfalls
- For Example:
 - BLT IDs requirement for 1000 gal / day
 - BLT has capacity to store & distribute 500 gal / day
 - BLT's net shortfall = Requirement - Capacity
= (1000 gal / day) - (500 gal / day)
= 500 gal / day
- This shortfall of 500 gal / day is then translated to a requirement to the supporting **ing** organizations.
 - Implied task is to provide 2 fuel resupplies / day



PLANNING FOR SUPPLY SUPPORT OPERATIONS

- Assigning priorities
 - Based on the concept of operation and the scheme of maneuver
 - Affects the supporting CSS elements concept of CSS
 - Defines the CSSE's priorities
- Allocating resources
 - Will affect the supporting CSS elements concept of the CSS
 - Includes the commander's forces placed



erve

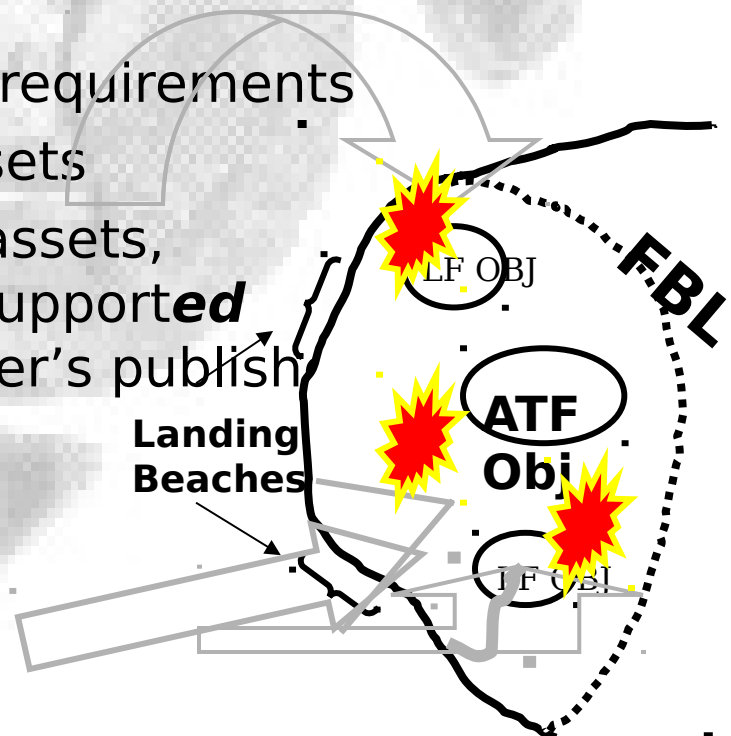


PLANNING FOR SUPPLY SUPPORT OPERATIONS

- Support*ing* unit responsibilities
- A three step process will be used the supporting unit

- Determine the requirements
- Procure the assets
- Distribute the assets, based on the Support*ed* Unit Commander's published

Priorities



PLANNING FOR SUPPLY SUPPORT OPERATIONS



- Determine the requirements
 - CSS commander will use METT-TS-L
 - Must address each CSS functional area
 - Based on concept of operation and situation
 - *ID Specified Requirements and Implied Requirements*
 - Anticipate future requirements
- Procurement of assets
 - Based on determination of sustainment requirements
 - The CSS must prevent “over supply” with realism
- Distribution of assets
 - Most critical impact on responsiveness, flexibility, and economy of CSS
 - Retain accountability throughout the process

Requirements vs. Shortfalls at CSSE

- Requirements – Capabilities = Shortfalls
- For Example:
 - BLT's net shortfall = (500 gal / day) x (2 deliveries) = 1000 gal / day
 - CSSE's requirement = 1000 gal / day (BLT) + 250 gal / day (CE)
+ 100 gal / day (AC) + 750 gal / day (CSSE)
= 2100 gal / day (Total)
 - CSSE's has capacity to store & distribute 1750 gal / day
 - CSSE's net shortfall = Requirement – Capacity
= (2100 gal / day) – (1750 gal / day)
= 350 gal / day
- This shortfall of 350 gal / day is then arbitrated by the MEU CE:
 - The MEU will source the shortfall
 - Change the mission
 - Prioritize Support: Supported **ed** and Su Rules of Engagement (ROE)



SUSTAINMENT



- Purpose

- To ensure commander has the necessary equipment for the mission
- Requirements must be accurate and understood
- Operations orders from higher headquarters will provide guidance during the planning process

- MAGTF Commander

- Force being supported
- Op Tempo (duration of support, environment, ...)
- Other guidance (safety issues, external support...)



SUSTAINMENT



- Methodology

- Days of Supply (DOS) and Days of Ammunition (DOA) will be consumed
- DOS / DOA are quantities of supplies expressed in days
 - The FSSG holds 60 DOS / DOA for the MEF
 - The BSSG holds 30 DOS / DOA for the MEB
 - The MSSG holds 15 DOS / DOA for the MEU
 - A CSSD will hold XX DOS / DOA for a MAGTF
 - Mission and METT-TS-L depends



Calculating DOS

- Support Required: 100 Marines in the field for 9 days of training.
- Feed Plan: 3 MREs / day
 - Daily Requirement = (100 Marines) X (3 MRE's)
= 300 MRE / day
= 1 DOS
 - Training Requirement = (300 MRE / day) X
(9 Days)
= 2,700 MREs
- If O/H = 2,700 MREs = 9 DOS
- If O/H = 3,300 MREs = 11 DOS
- If O/H = 2,100 MREs = 7 DOS



SUSTAINMENT

- Objective
 - To position the full level of sustainment with active forces for use with different types of MAGTF's
 - The MAGTF's equipment and operating stocks will form the initial stocks for combat
- Calculating requirements
 - Use MAGTF II, War Reserve System (WRS), and limited modeling techniques
 - MAGTF II Generates a force equipment list
 - WRS How MCLB Albany sources sustainment, except for ammunition

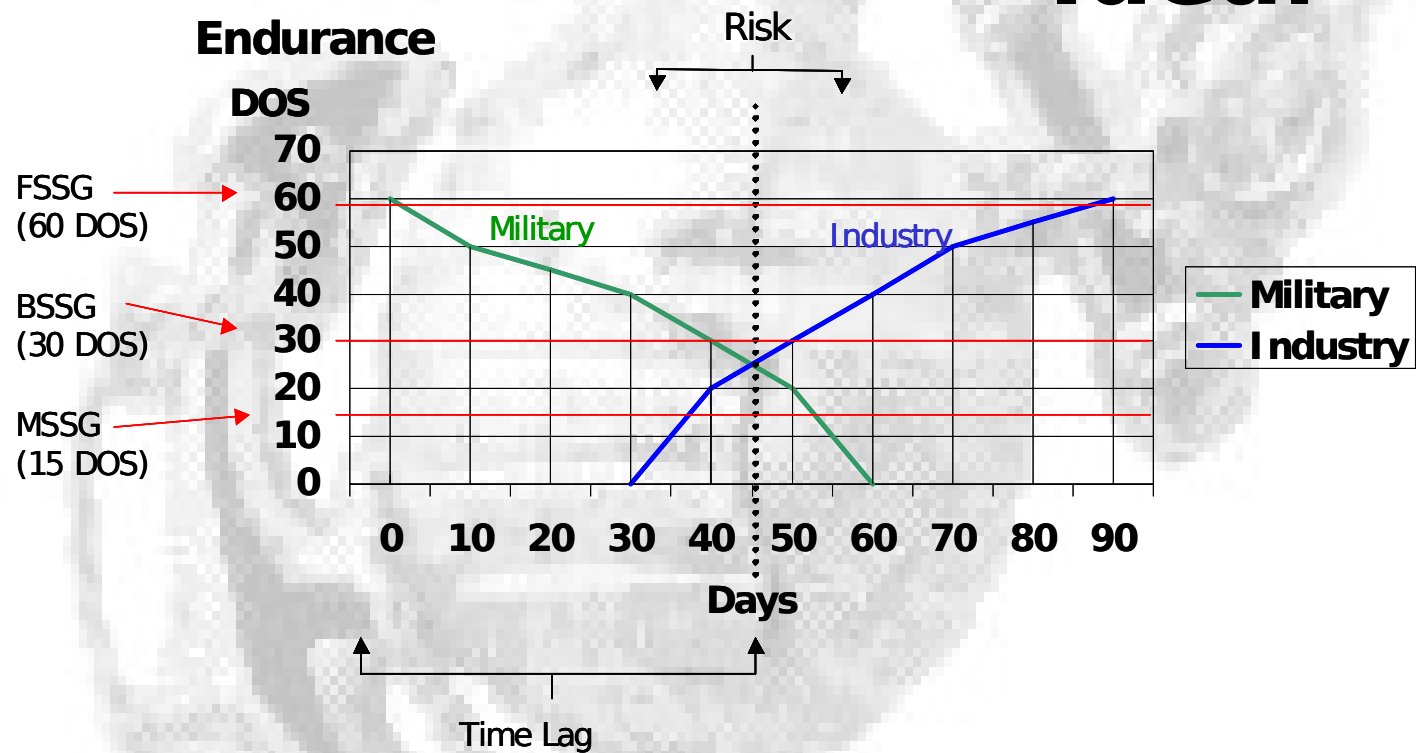




BREAK

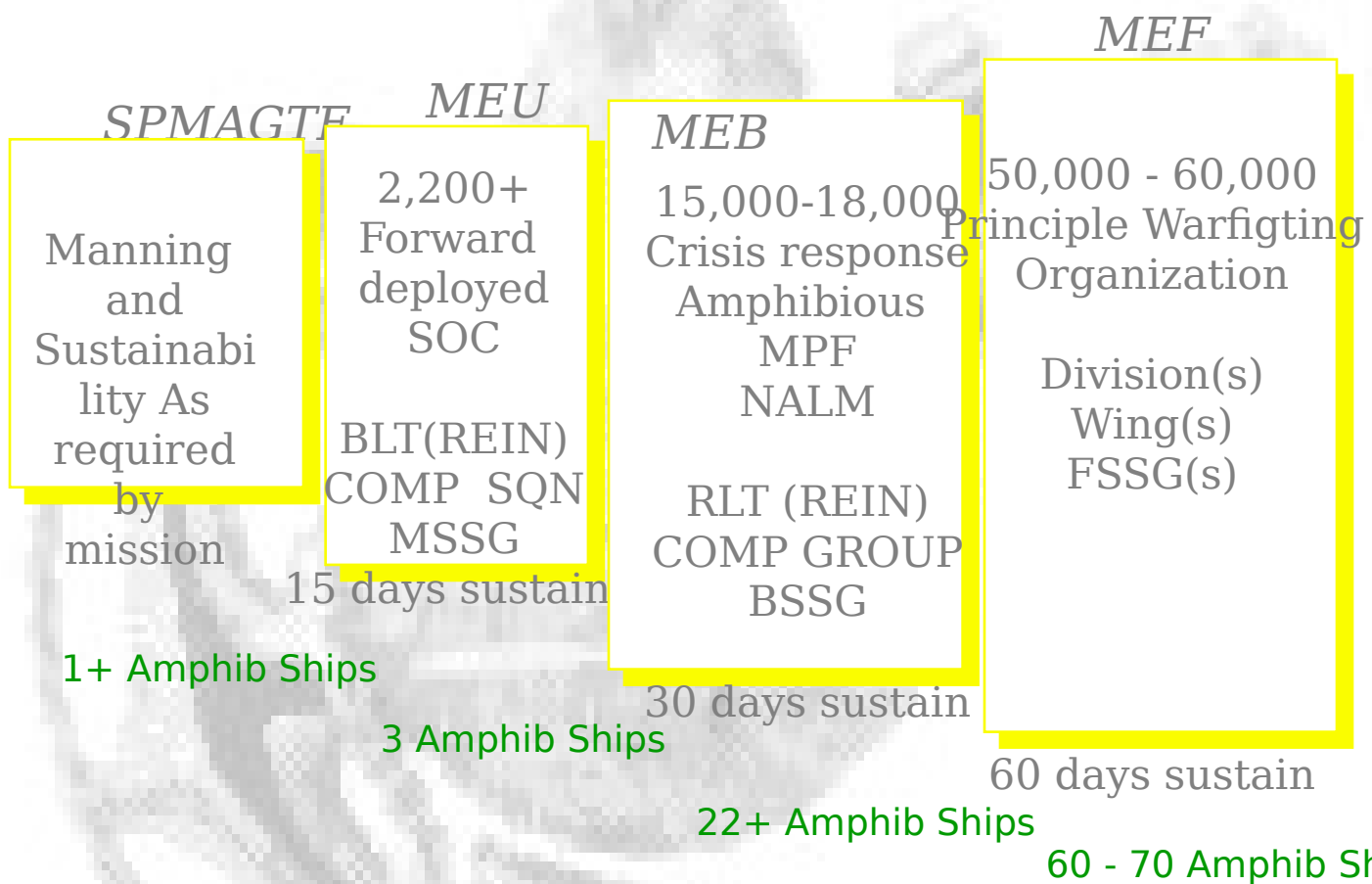
War Reserve

“Ideal”

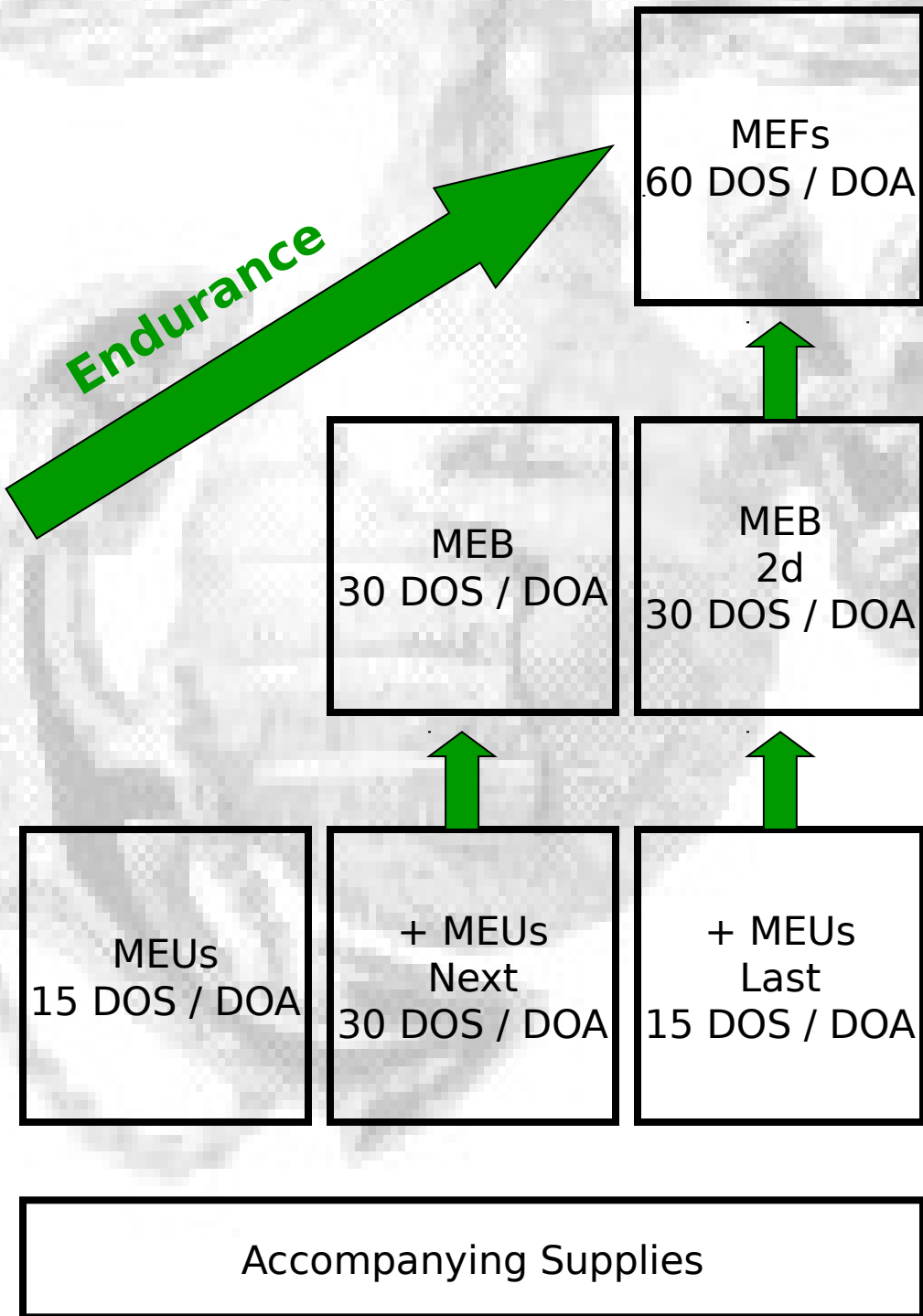


MAGTF

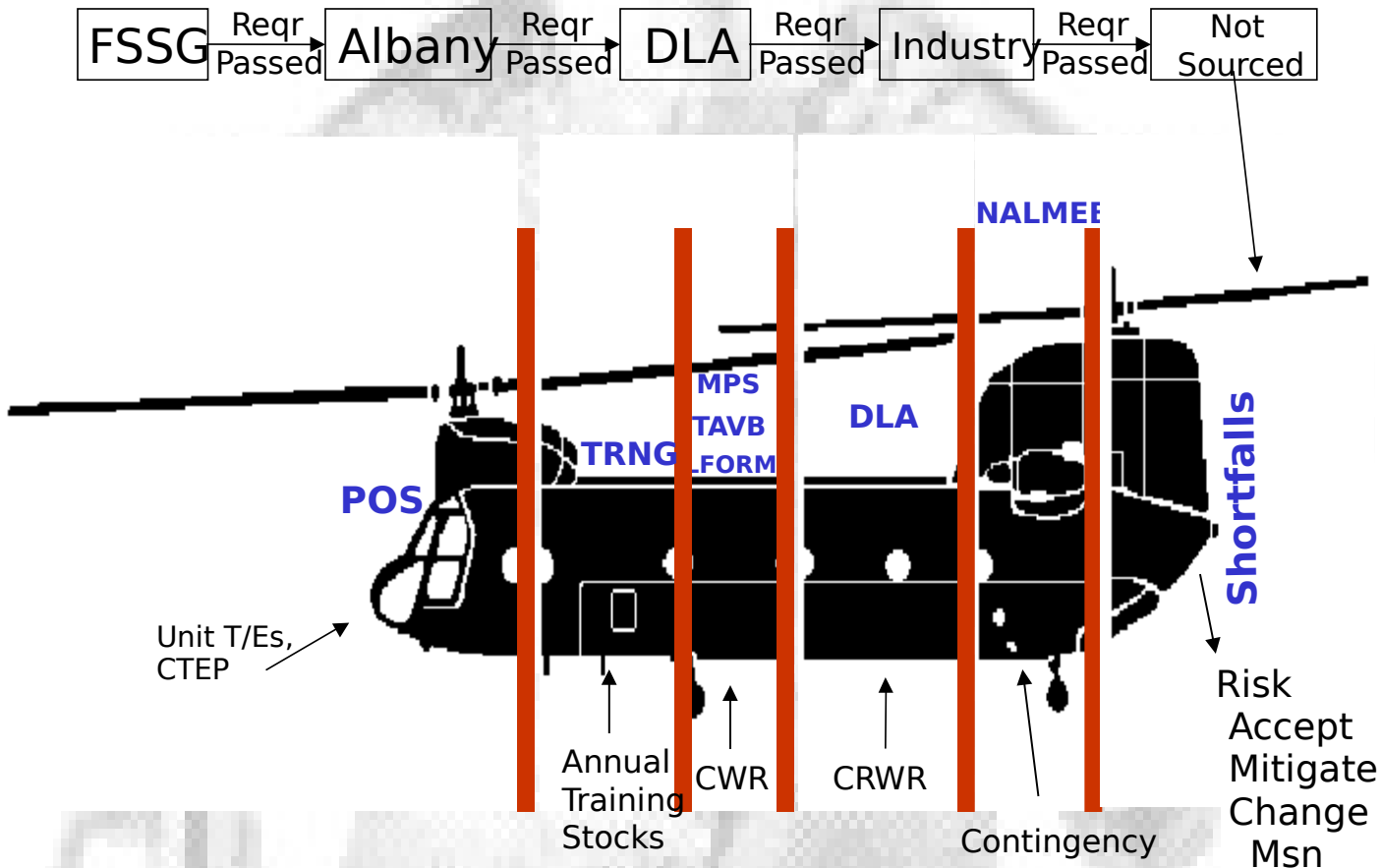
Forces Matched to the Mission



Endurance: MAGTF Building Blocks



Marine Corps War Reserve Program



POS: Peacetime Operating Stocks

Trng: Training Stocks

MPS: Maritime Prepositioning Squadron

TAVB: Aviation Logistics Support Ship

LFORM: Landing Force Operational Reserve Material

DLA: Defense Logistics Agency

NALMEB: Norway Airlanded MEB Stocks GSOC 0702

CWR: Core War Reserve > Force Held Starter & Swing Stocks

CRWR: Core Retention War Reserves > Stores Held:

Reconstitution

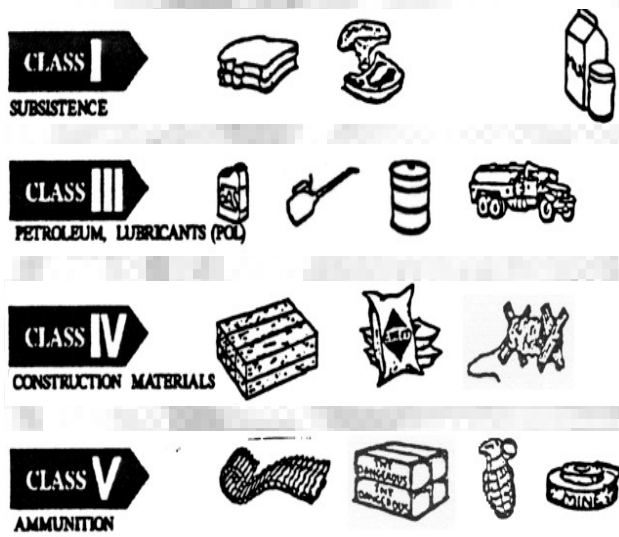
NALMEB

WarResvStocks for Allies (WAR5)

Sustainment / Operating Stocks

- RBE
 - Remain behind equipment is any organic FMF equipment, regardless of class, that stays behind when a force deploys to marry up with prepositioned gear.
 - The unit commander remains responsible for this equipment until the CONUS commander accepts responsibility.
 - RBE is another source of operating stocks.
- LBE
 - Left behind equipment is gear not required to support current / planned operations.
 - LBE may be called upon at a later time by the deployed MAGTF.

Landing Force Operational Reserve Material (LFORM)



- 15 DOS / DOA
- Embarked by Navy
- Pre-Packaged containers
- Spread loaded to LFORM compatible ships
- Contingency or Extreme Emergency
- MarFor Approval
- Separate Reports
- Coord use w/ Navy
- Plan Replen at 10 DOS / DOA, and/or Safety Level

SUMMARY

- OBJECTIVE
- PRINCIPLES
- FUNCTIONAL AREAS
- ORGANIZATIONS
- TYPES OF CSS & CSSEs
- MISSIONS
- PLANNING DOCUMENTS
- INSTALLATIONS
- CSSOC & TACLOG
- SUPPLY SUPPORT OPS
- SUSTAINMENT
- WAR RESERVE

CSS

